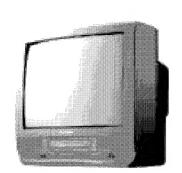
Service Manual

Combination VCR



PV-C1323 PV-C1333W PV-C1343 PV-C1353W PV-C2023 PV-C2033W PV-C2063 PV-C1323-K PV-C1333W-K PV-C2023-K

PV-C2523-K

IT	EM	SPECIFICATION	1 2	1 2 3 4 9		5	5 ITEM		SPECIFICATION	1	23	345
		Head: 2 rotary heads helical scanning system 4 rotary heads helical scanning system	o -	- c	0-0		Tape	SP: 1-5/16 i.p.s (33.35 mm/s), LP: 21/32 i.p.s (16.67 mm/s), SLP: 7/16 i.p.s (11.12 mm/s) Record/Playback Time: 8 hr. with 160 min. type tape used in SLP mode	0	00	000	
VCR	Video	Input Level: VIDEO IN Jack (Phono type) 1.0 Vp-p 75 Ω unbalanced Output Level: VIDEO OUT Jack (Phono type) 1.0 Vp-p 75 Ω unbalanced Signal-to-Noise Ratio: SP: more than 43 dB LP/SLP: more than 41 dB				VCR		Speed	FF/REW Time: Less than 2-1/2 min. (120 min. type tape) *Note: FF/REW Time may be exceed specification according to tape condition.			
		LP/SLP: more than 41 dB Horizontal Resolution: Color/Monochrome: more: SP: 230 lines	00					Tape Format	Tape width 12.7 mm (1/2 inch) high density tape	o	0	000
		LP/SLP: 220 lines					FM Radio	Band Range	87.5 MHz-108.1 MHz			000
		Head: Normal Mono: 1 stationary head Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Frequency Response: Normal Mono: SP: 100 Hz-8 kHz Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -10 dBv 50 kΩ unbalanced Input Level: AUDIO IN Jack (Phono type) -1	13 inch measured diagonal 90° deflection Picture Tube 20 inch measured diagonal 90° deflection Picture Tube	- 0	o- - c	00-						
	Audio	LP: 100 Hz-6 kHz	00	00		0			Source: 120 V AC±12 V AC, 60 Hz±3 Hz	0	00	000
		SLP: 100 Hz-5 kHz Signal-to-Noise Ratio: Normal Mono: SP: more than 42 dB LP/SLP: more than 40 dB	00000		0		Power	Consumption: Approx. 69 W (Power on), Approx. 2.5 W (Power off) Approx. 110 W (Power on), Approx. 2.5 W (Power off) Approx. 130 W (Power on), Approx. 2.5 W (Power off)		o - - c	 00- 0	
		Wow and Flutter: Normal Mono: SP: Less than 0.2 % WRMS LP: Less than 0.3 % WRMS						Television System	EIA Standard (525 lines, 60 fields) NTSC Color Signal	0	00	000
		SLP: Less than 0.4 % WRMS				GENERAL	Operating Condition		0	00	000	
	Tuner	Broadcast Channels: VHF 2-13, UHF 14-69 CABLE Channels: Midband A through I (14-22) Superband J through W (23-36)						Dimension (W x H x D)	386 mm x 385 mm x 374 mm (15-3/16 inch x 15-3/16 inch x 14-3/4 inch) 515 mm x 505 mm x 474 mm (20-5/16 inch x 19-7/8 inch x 18-11/16 inch) 634 mm x 590 mm x 464 mm (24-15/16 inch x 23-1/4 inch x 18-1/4 inch)	0		0 -
		Hyperband AA-EEE (37-64) Lowband A-5-A-1 (95-99) Special CABLE channel 5A (01) Ultraband 65-94, 100-125						Weight	12 kg (26.4 lbs.) 23 kg (50.6 lbs.) 31 kg (88.2 lbs.)	0	0	 00- - 0
					Ш			Solder	This model uses lead free solder (PbF).	0	0	00

- 1. PV-C1323/ PV-C1323-K/ PV-C1333W/ PV-C1333W-K
- 2. PV-C1343/ PV-C1353W
- 3. PV-C2023/ PV-C2023-K/ PV-C2033W
- 4. PV-C2063
- 5. PV-C2523-K

Weight and dimensions shown are approximate.

Designs and specifications are subject to change without notice.



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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 SAFETY PRECAUTIONS

GENERAL GUIDELINES

1. IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are important for safety. These parts are marked by \triangle in the Schematic Diagrams, Circuit Board Layout, Exploded Views and Replacement Parts List. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent X-RADIATION, shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

- 2. An Isolation Transformer should always be used during the servicing of Combination VCR whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks. It will also protect Combination VCR from being damaged by accidental shorting that may occur during servicing.
- 3. When servicing, observe the original lead dress, especially the lead dress in the high voltage circuits. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
- 4. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers, shield, and isolation R-C combinations are properly installed.
- 5. Before turning the receiver on, measure the resistance between B+ line and chassis ground. Connect (-) side of an ohmmeter to the B+ lines, and (+) side to chassis ground. Each line should have more resistance than specified, as follows:

(For model with 13 inch CRT)

B+ Line	Minimum Resistance
130.0 V	1 k Ω (Cold chassis ground)
23.5 V	180 Ω (Cold chassis ground)
13.0 V	110 Ω (Cold chassis ground)

(For model with 20 inch CRT)

B+ Line	Minimum Resistance
130.0 V	1 k Ω (Cold chassis ground)
21.5 V	180 Ω (Cold chassis ground)
15.9 V	110 Ω (Cold chassis ground)

(For model with 25 inch CRT)

B+ Line	Minimum Resistance
125.0 V	1 k Ω (Cold chassis ground)
27.0 V	180 Ω (Cold chassis ground)
17.0 V	110 Ω (Cold chassis ground)

- 6. When the TV set is not used for a long period of time, unplug the power cord from the AC outlet.
- 7. Potentials, as high as 25.0 kV (For model with 13 inch CRT) or 30.0 kV (For model with 20 inch CRT) or 32.0 kV (For model with 25 inch CRT) are present when this TV set is in operation. Operation of the TV set without the rear cover involves the danger of a shock hazard from the TV set power supply. Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high voltage equipment. Always discharge the anode of the picture tube to the CRT

ground of receiver before handling the tube.

8. After servicing make the following leakage current checks to prevent the customer from being exposed to shock hazards.

LEAKAGE CURRENT COLD CHECK

- 1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
- 2. For physically operated power switches, turn power on. Otherwise skip step 2.
- 3. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the receiver, such as screwheads, connectors, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1 M Ω and 12 M Ω . When the exposed metal does not have a return path to the chassis, the reading must be infinity.

LEAKAGE CURRENT HOT CHECK

- Plug the AC cord directly into the AC outlet.
 Do not use a isolation transformer for this check.
- 2. Connect a 1.5 k Ω , 10 W resistor, in parallel with a 0.15 μ F capacitor, between each exposed metallic part on the set and a good earth ground , as shown in Figure 1.
- 3. Use an AC voltmeter, with 1 k Ω /V or more sensitivity, to measure the potential across the resistor.
- 4. Check each exposed metallic part, and measure the voltage at each point.
- Reverse the AC plug in the AC outlet and repeat each of the above measurements.
- 6. The potential at any point should not exceed 0.75 V RMS. A leakage current tester (Simpson Model 229 equivalent) may be used to make the hot checks. Leakage current must not exceed 1/2 mA. In case a measurement is outside of the limits specified, there is a possibility of shock hazard, and the receiver should be repaired and rechecked before it is returned to the customer.

Hot-Check Circuit

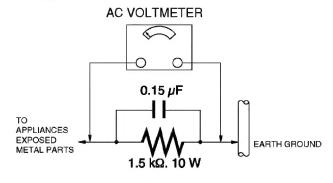


Figure 1

2 X-RADIATION

WARNING:

- The potential source of X-Radiation in TV sets is the High Voltage section and the picture tube.
- 2. When using a picture tube test fixture for service, ensure that the fixture is capable of handling 25.0 kV (For model with 13 inch CRT) or 30.0 kV (For model with 20 inch CRT) or 32.0 kV (For model with 25 inch CRT) without causing X-Radiation.

NOTE:

It is important to use an accurate periodically calibrated high voltage meter.

- 1. Reduce the brightness to minimum.
- 2. Set the SERVICE switch to SERVICE .
- Measure the High Voltage. The meter reading should indicate 23.5 kV±1.5 kV (For model with 13 inch CRT) or 28.5 kV±1.5 kV (For model with 20 inch CRT) or 30.0 kV±2.0 kV (For model with 25 inch CRT).
 - If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.
- To prevent an X-Radiation possibly, it is essential to use the specified picture tube.

HORIZONTAL OSCILLATOR DISABLE CIRCUIT TEST SERVICE WARNING:

The test must be made as a final check before set is returned to the customer.

- With the rear cover removed, supply about a 90 V AC power source to the set, turn on the set.
- 2. Set the customer controls to normal operating positions.
- Short both sides of R804 on the Main circuit board with a jumper wire. Confirm that the picture goes out of horizontal sync.
- 4. If this does not occur, the horizontal oscillator disable circuit is not operating. Follow the Repair Procedures of horizontal oscillator disable circuit before the set is returned to customer.

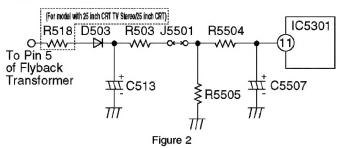
REPAIR PROCEDURES OF HORIZONTAL OSCILLATOR DISABLE CIRCUIT

- 1. Connect a DC voltmeter between capacitor C513 (+) on the Main circuit board and chassis ground.
- 2. If approximately +21.0 V (For model with 13 inch CRT) or +21.9 V (For model with 20 inch CRT) or +23.5 V (For model with 25 inch CRT) is not present at that point when 120 V AC is applied, find the cause. Check R518 (For model with 20 inch CRT TV Stereo/25 inch CRT), R503, R5504, R5505, D503, C513, C5507 and J5501.
- Carefully check above specified parts and related circuits and parts. When the circuit is repaired, try the horizontal oscillator disable circuit test again.

CIRCUIT EXPLANATION

HORIZONTAL OSCILLATOR DISABLE CIRCUIT

The positive DC voltage, supplied from the D503 cathode for monitoring high voltage, is applied to the IC5301 Pin11 through R518, R503 and R5504. Under normal conditions, the voltage at IC5301 Pin 11 is less than approx 3 V. If the high voltage at Flyback Tr Pin 5 exceeds the specified voltage, the positive DC voltage which is supplied from the D503 cathode also increases. The increased voltage is applied to IC5301 Pin11 through R518, R503 and R5504. Due to the increased voltage at IC5301 Pin11, the horizontal oscillator frequency increases, the picture goes out of horizontal sync, the beam current decreases and the picture becomes dark in order to keep X-radiation under specification.



3 PREVENTION OF ELECTROSTATIC DISCHARGE (ESD) TO ELECTROSTATICALLY SENSITIVE (ES) DEVICES

Some semiconductor (solid state) devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors are semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

- 1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.
- 2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
- 3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.
- 4. Use only an antistatic solder removal device. Some solder removal devices not classified as "antistatic (ESD protected)" can generate electrical charge sufficient to damage ES devices.
- 5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
- 6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
- 7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION:

Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).

"NOTE to CATV system installer:

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical."

4 ABOUT LEAD FREE SOLDER (PbF)

Distinction of PbF PCB:

PCBs (manufactured) using lead free solder will have a PbF stamp or printing on the PCB. (Please refer to figures.)



Printed case



Stamped case

CAUTION:

- Pb free solder has a higher melting point than standard solder;
 Typically the melting point is 50 °F 70 °F (30 °C 40 °C) higher.
 Please use a soldering iron with temperature control and adjust it to 700 °F±20 °F (370 °C± 10 °C).
 In case of using high temperature soldering iron, please be carefull not to heat too long.
- Pb free solder will tend to splash when heated too high (about 1100 °F/600 °C).
- All products with the printed circuit board with PbF stamp or printing must be serviced with lead free solder.
 When soldering or unsoldering, completely remove all of the solder from the pins or solder area, and be sure to heat the soldering points with the lead free solder until it melts sufficiently.

Recommendations

Recommended lead free solder composition is Sn96.5 Ag3.0 Cu0.5.

5 SERVICE NOTES (PLEASE READ)

5.1. SERVICE NOTES

5.1.1. SIMPLIFIED FAULT FINDING DATA

Simplified Self-Diagnostic System facilitates finding the cause of the fault. A 4 digit for fault code and communication for I²C bus code will be displayed on TV screen.

The Simplified Fault finding data is stored in the Memory IC (IC6004). This data is cleared after it is displayed, and then the POWER button is pressed back on.

1. With power turned off, press FF and REW buttons on unit together for over 3 seconds.

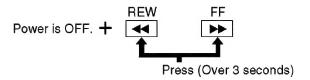


Fig. 1-1

 TV power goes on and the unit goes into service mode. 4 digit for fault code and communication for I²C bus code will be displayed.

Code Digit Position

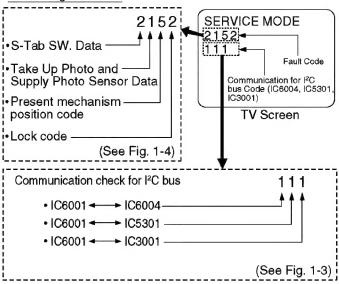


Fig. 1-2

(Communication check for I²C bus)

Explanation of Codes	Code No.			o.
Communication check for I²C bus (IC6001←→IC6004) NG OK	0			
Communication check for I²C bus (IC6001←►IC5301) NG OK		0		
Communication check for I ² C bus (IC6001 < → IC3001) NG OK			0	

(Fault Code)

Explanation of Codes	Code No.			0.
S-Tab SW. Data S-Tab SW. is off. S-Tab SW. is on.	1 2			
Take Up and Supply Photo Sensor Data No light detected at either sensor. Take Up Photo Sensor detected at beginning of tape. Supply Photo Sensor detected at end of tape. Light detected at both sensors.		1 2 3 4		
Present Mechanism Position Code Mechanism Position is indicated. (Refer to Fig. 1-5.)			123456789ABCD	
Lock Code (See Note) • VCR is not in shut-off condition. • Reel lock. • Cylinder lock. • Exceeds loading/unloading time. (Mechanism Lock) • Exceeds Cassette loading/unloading time. (Cassette Lock) Tape Unloading (direction) Tape Loading (direction)			1 2	0 1 2 3 4 4

Fig. 1-4

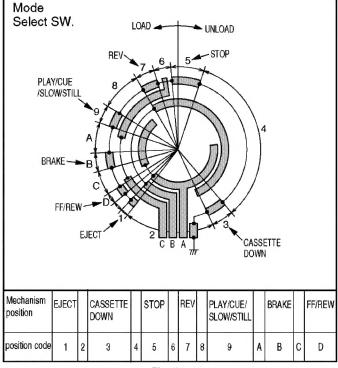
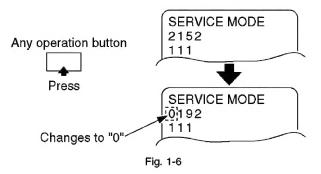


Fig. 1-5

PV-C1323

3. Press any operation button except for POWER on either the unit, or the remote to detect that a key has been pressed. The 1st digit changes to "0" only when key is detected.



Note:

When 1 to 4 listed in Lock code occurs, the VCR stops and all VCR function buttons except for power become non-operational.

5.1.2. USAGE SCREEN MODE

Function displayed on the TV monitor:

- the total elapsed "Power on" time (in days)
- the total elapsed "Cylinder rotation" time (in hours)
- 1. With power turned on and no cassette, press STOP/EJECT button on unit and 7 key on remote together.

The USAGE SCREEN will be displayed on the TV Monitor.

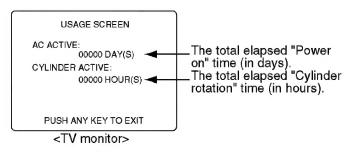


Fig. 1-7

Note:

- After replacing the Cylinder Unit, press COUNTER RESET button on remote in this mode. Only Total elapsed "Cylinder rotation" time (in hours) will be cleared to 0.
- To release from Usage Screen Mode, press any operation button on unit or insert a cassette tape in this mode. The unit will return to normal operation mode.

5.1.3. SERVICE POSITION

5.1.3.1. Service Position

Service Position	Purpose
Service Position (1)	Mechanism check Mechanical adjustment Electrical adjustment
Service Position (2)	TV/VCR Main C.B.A. check

CAUTION:

HOT CIRCUIT (Primary circuit) exists on the TV/VCR Main C.B.A. Use extreme care to prevent accidental shock when servicing.

5.1.3.2. Service Position (1)

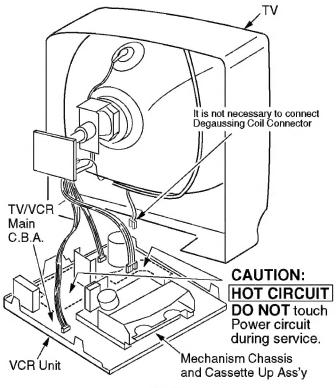


Fig. 2-1

5.1.3.3. Service Position (2)

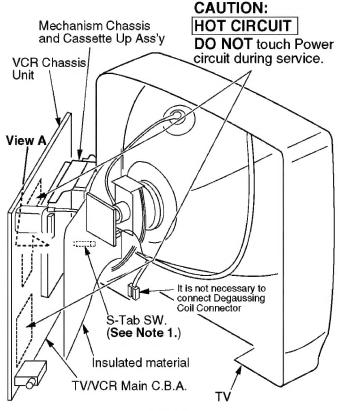
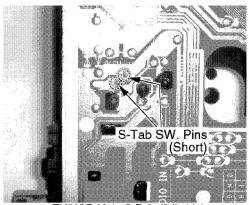


Fig. 2-2

Note:

 It is possible that the S-Tab SW. may not work correctly in Service Position (2). (Recording can not be done). In this case, short the S-Tab SW. Pins on the foil side of the TV/VCR Main C.B.A. to turn this SW. on.



TV/VCR Main C.B.A. (foil side) **View A**

Alternative method: Cover the S-Tab SW. with masking tape.

Fig. 2-3

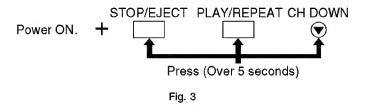
5.1.4. HOT CIRCUIT

Primary circuit exists on the TV/VCR Main C.B.A.

This circuit is identified as "**HOT**" on the C.B.A. and in the Service Manual. Use extreme care to prevent accidental shock when servicing.

5.1.5. SERVICE MODE

In order to inhibit detection of the Supply & Takeup Photo Transistors, Reel Sensor, and Cylinder Lock, press and hold STOP/EJECT, PLAY/REPEAT, and CH DOWN buttons on the unit together over 5 seconds in power on condition.



The unit goes into service mode.

In this mode, Mechanism movement can be confirmed. When removing Cassette Up Ass'y, it can be confirmed without a cassette.

To release from this mode, press POWER button off or disconnect AC Plug.

5.1.6. DEFEATING THE AUTO TRACKING

To defeat the Auto Tracking Function, place the instrument in the STOP mode and place a jumper between TP6003 and TP6009 on the TV/VCR Main C.B.A. The tracking will be placed in the neutral position.

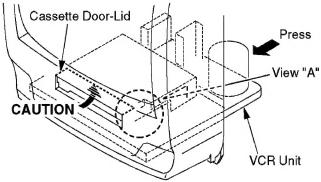
5.1.7. CAUTION FOR INSTALLATION OF VCR UNIT

CAUTION:

Opener Lever may be damaged when VCR Unit is installed, with Cassette Door-Lid and Opener Lever of Cassette Up Ass'y set incorrectly.

Install the VCR Unit as follows:

- 1. Swing the Cassette Door-Lid all the way open until the Cassette Door tab clears the Opener Lever.
- 2. Make sure that all guide tabs are aligned properly. Then, press the VCR Unit straight in.



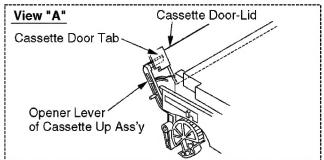


Fig. 4

5.1.8. METHOD FOR LOADING/UNLOADING OF MECHANISM

5.1.8.1. (Manual Method)

Turn the Loading Gear clockwise (for loading) or counterclockwise (for unloading) using needlenose pliers etc.

Note:

Do not use this method if Mechanism is jammed or locked.

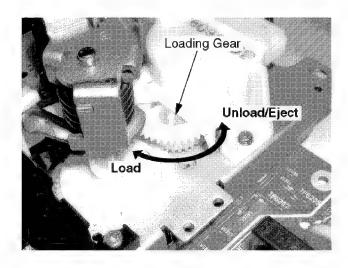


Fig. 6-1

5.1.8.2. (Electrical Method)

Apply +10.0 V DC Power Supply to the Loading Motor terminals.

Loading

DC + to Portion "a," DC - to Portion "b"

Unloading

DC - to Portion "a," DC + to Portion "b"

CAUTION:

Before applying DC Power Supply, be sure to cut the Motor Leads with a cutter, etc.

Otherwise, the Loading Motor Drive IC (IC2501) may be damaged.

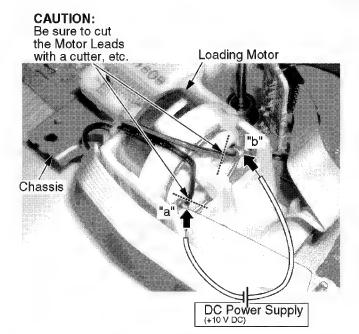


Fig. 6-2

5.1.8.2.1. WHEN LOADING WITHOUT A CASSETTE

When loading without a cassette, push Portion "a" on the Holder Unit of Cassette Up Ass'y so that the Lever clear the First Tab and Second Tab.

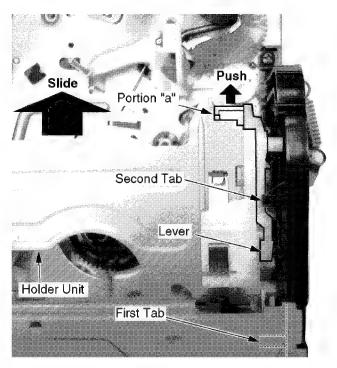


Fig. 6-3

5.1.9. HOW TO REMOVE A JAMMED TAPE

CAUTION:

Wiper Arm Unit may be damaged or its spring may be out of place when the jammed tape is removed by force.

Remove a jammed tape as follows:

5.1.9.1. Manual Method

When a tape jam is encountered, check the tape loading condition and use the following procedure to remove a tape jam.

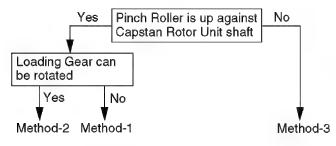
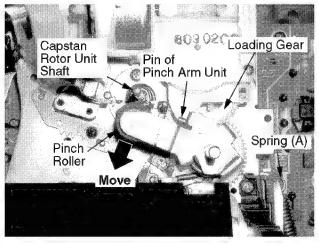


Fig. 7-1

5.1.9.1.1. Method -1:

 Move the Pinch Roller Unit out by unhooking the Pin of Pinch Arm Unit so that the Pinch Roller is separated from the Capstan Rotor Unit shaft.



Top View

Fig. 7-2

- 2. Remove the tape from the tape path.
- Rewind the tape into the cassette by rotating the Center Clutch Unit counterclockwise.
- 4. Unhook Spring (A) of the Drive Rack Arm.
- 5. Remove Screw (A).
- 6. Lift the Cassette Up Ass'y. While pulling the Cassette Up Ass'y out far enough so that it clears the Drive Rack Arm, slide the Drive Rack Unit as indicated by the arrow to remove the cassette tape from the Cassette Up Ass'y.

7. Check the cause of mechanical trouble and repair.

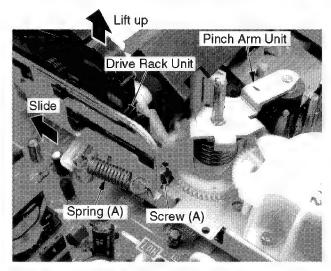


Fig. 7-3

5.1.9.1.2. Method -2:

- Rotate Loading Motor counterclockwise with needlenose pliers, etc. so that the Pinch Roller is separated from the shaft of the Capstan Rotor Unit.
- 2. Perform Step 2 through Step 7 of Method -1.

5.1.9.1.3. Method -3:

1. Perform Step 2 through Step 7 of Method -1.

Note:

After repairing mechanical trouble, make sure that all gear alignments are correct, especially the Wiper Arm Unit and Drive Rack Unit of Cassette Up Ass'y. (Refer to "EJECT Position Confirmation" in DISASSEMBLY/ASSEMBLY PROCEDURES.)

5.1.9.2. Electrical Method

Electrical method can only be performed when the mechanism is moved by rotating the Loading Gear.

CAUTION:

- 1. Before applying DC Power Supply, be sure to cut the Motor Leads with a cutter, etc.
 - Otherwise, the Loading Motor Drive IC (IC2501) may be damaged.
- If loading does not start in approx. 2 seconds after DC Power Supply is applied, DO NOT continue to apply DC Power Supply. Instead, perform "Manual Method."
- 1. Be sure to cut the Motor Leads with a cutter, etc.
- 2. Apply +10.0 V DC Power Supply to the Loading Motor terminals.
- 3. When the Loading Posts reach the fully unloaded position, remove the Power Supply.

CAUTION:

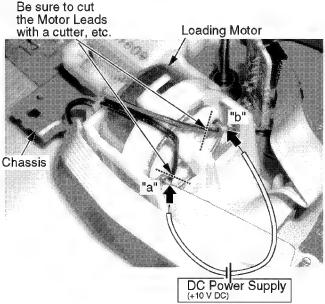


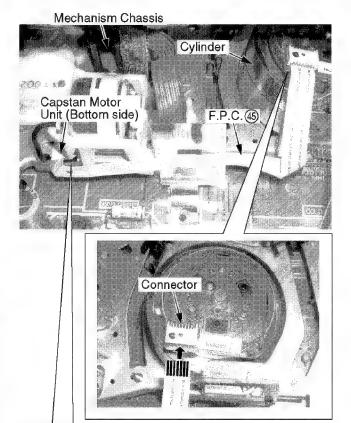
Fig. 8

- 4. Rewind the tape into the cassette by turning the Center Clutch Unit counterclockwise.
- 5. Eject the cassette by applying +10.0 V DC Power Supply again.

5.1.10. F.P.C. CONNECTION NOTE

5.1.10.1. F.P.C. between the Capstan Motor and the Cylinder

Be careful with the direction of F.P.C. to connector as shown.



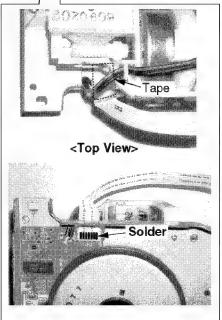


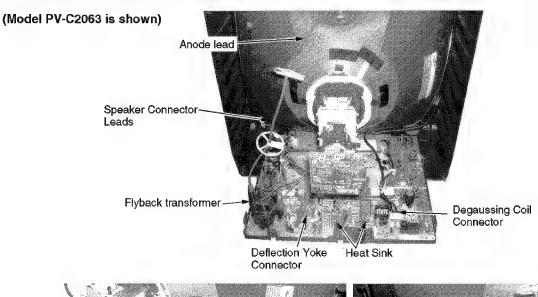
Fig. 9

5.1.11. WIRE AND LEAD POSITION DIAGRAM

After servicing, make sure that all wires, leads, and clampers are placed in their original position. It is important for the best operation of the unit.

Note:

No lead wires or flat cables should touch any heating parts or the Heat Sink Plate. Use extreme care especially for followings.



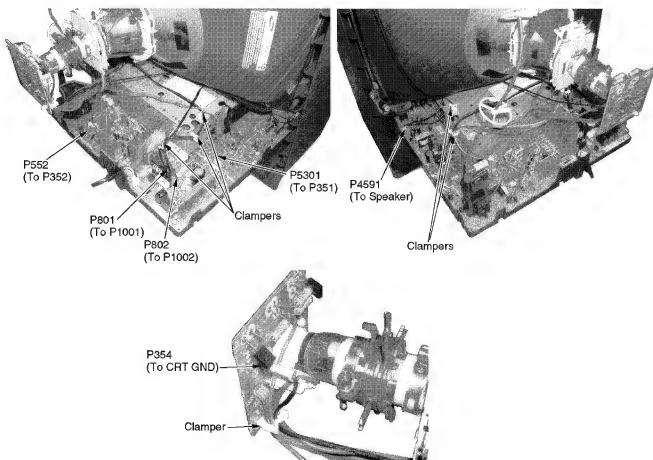


Fig. 10

5.1.12. HOW TO SET TRACKING TO THE NEUTRAL POSITION

Ejecting the cassette tape and then reinserting it will reset the tracking to the Neutral position.

5.1.13. BLACK SCREWS ON THE CHASSIS

Black Screws are used on the Mechanism Chassis to identify screws that require adjustment.

5.1.14. HOW TO RESET ALL COMBINATION VCR MEMORY FUNCTIONS

To reset (clear) the select language, channel auto set and set clock functions to their initial power on condition (power on, no cassette inserted), hold down the PLAY and FF buttons on the unit together for more than 5 seconds.

Power will shut off.

5.1.15. HOW TO CONFIRM AUTO CLOCK SET FEATURE

- Connect an RF cable from the output of one unit to the input of the test unit.
- 2. Select corresponding RF channels.
- 3. Playback a recording of P.B.S. channel including clock set data and confirm this feature.

5.1.16. VARIABLE VOLTAGE ISOLATION TRANSFORMER

An Isolation Transformer should always be used during the servicing of Combination VCR whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks. It will also protect Combination VCR from being damaged by accidental shorting that may occur during servicing.

Also, when troubleshooting the above type of Power Supply Circuit, a variable isolation transformer is required in order to increase the input voltage slowly.

5.1.17. SPECIAL NOTE

All integrated circuits and many other semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the

"ELECTROSTATICALLY SENSITIVE (ES) DEVICES" section of this service manual.

5.1.18. MODEL NO. IDENTIFICATION MARK

Use Marks shown in the chart below to distinguish the different models included in this Service Manual.

MODEL	MARK
PV-C1323	Α
PV-C1323-K	В
PV-C1333W	С
PV-C1333W-K	D
PV-C1343	E
PV-C1353W	F
PV-C2023	G
PV-C2023-K	Н
PV-C2033W	1
PV-C2063	J
PV-C2523-K	K
NOT USED	PT

Note:

Refer to Item 3 of Schematic Diagram Notes of Schematic Diagram and Circuit Board Layout Notes, for mark "PT."

6 DISASSEMBLY/ASSEMBLY PROCEDURES

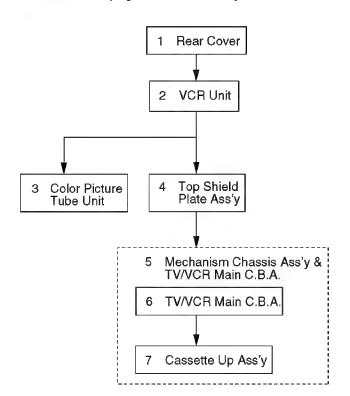
6.1. CABINET SECTION

6.1.1. Disassembly Flowchart

Perform all disassembly procedures in the order described in the "Disassembly Flowchart" shown below. When reassembling, use the reverse procedure.

CAUTION:

Disconnect AC plug before disassembly.



6.1.2. Disassembly Method

STEP No.	Ref. No.	PART	Fig. No.	REMOVE	Note
1	73	Rear Cover	D2	6 (446) , 18 (446) (For model with 25 inch CRT)	
2	-	VCR Unit	D4 D5	Anode Cap, P354, CRT C.B.A., Deflection Yoke Connector, Degaussing Coll Connector, Clampers, P4591, Tabs	1
3	48	Color Picture Tube Unit	D2	4(46)	2
4	91)	Top Shield Plate Ass'y	D3	443, 463	
5	-	Machanism Chassis Ass'y & TV/VCR Main C.B.A.	D3	2ఱ), 2ఱ), Locking Tabs,	3
6	€10	TV/VCR Main C.B.A.	D3	P3001, P6201, P4001, P4092	4
7	61)	Cassette Up Ass'y	D3	3449, Locking Tab, Spring	5

Fig. D1

IMPORTANT SAFETY NOTICE

COMPONENTS IDENTIFIED BY THE SIGN A HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS.

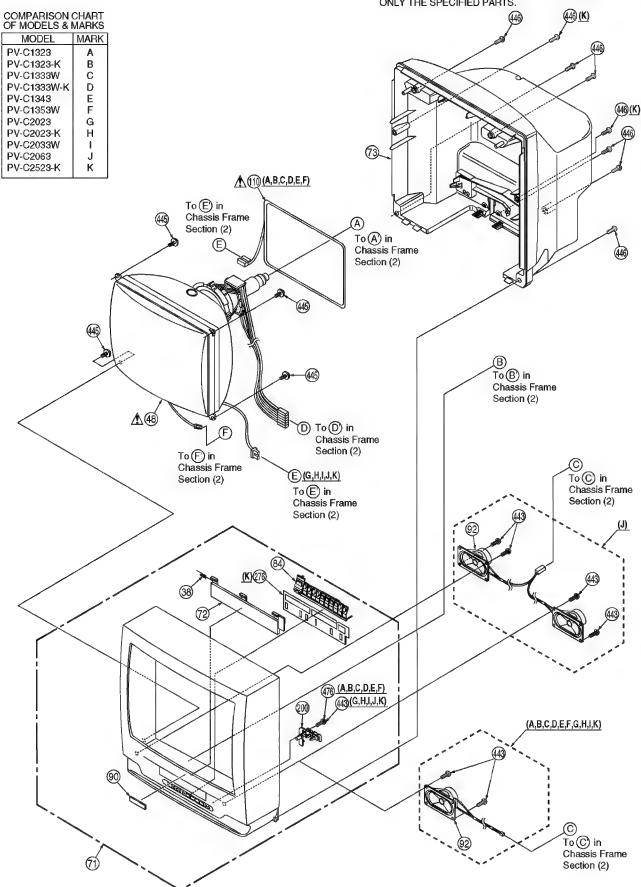


Fig. D2

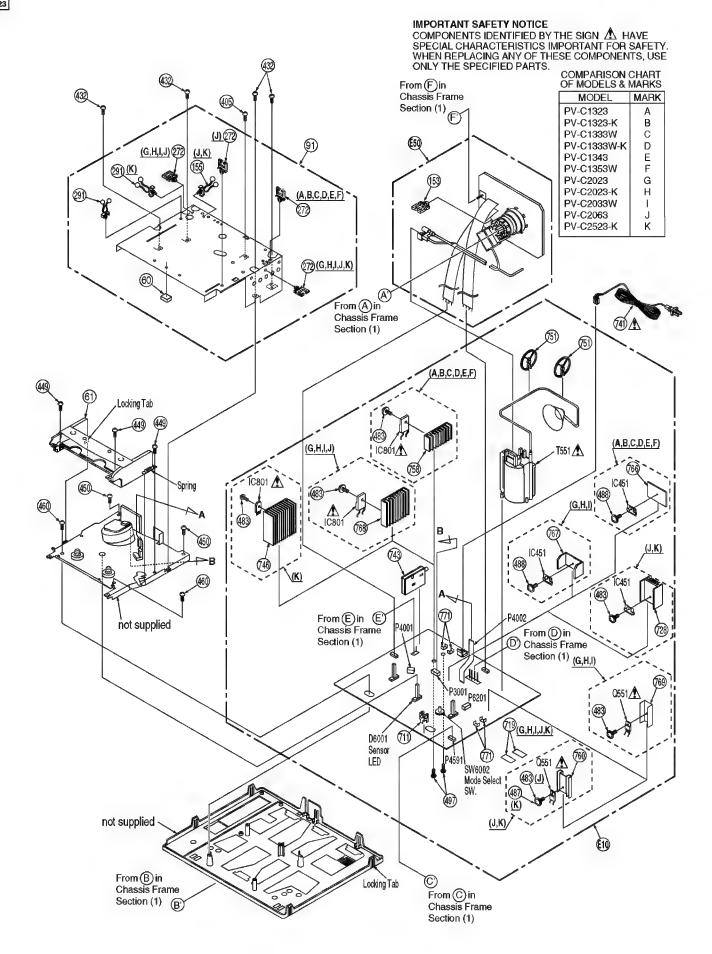


Fig. D3

6.1.2.1. Notes in chart

1. Removal of VCR Unit

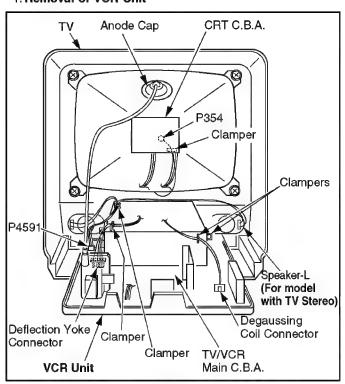


Fig. D4

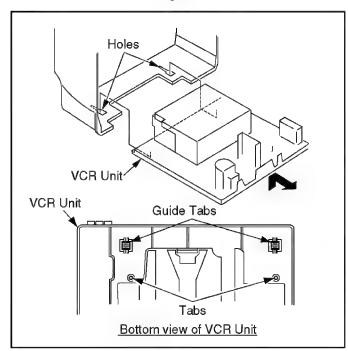


Fig. D5

Installation of VCR Unit

CAUTION:

Opener Lever may be damaged when VCR Unit is installed, with Cassette Door-Lid and Opener Lever of Cassette Up Ass'y set incorrectly.

- a. When installing the VCR Unit, swing the Cassette Door-Lid all the way open until the Cassette Door tab clears the Opener Lever.
- b. Make sure that all guide tabs are aligned properly.Then, press the VCR Unit straight in.

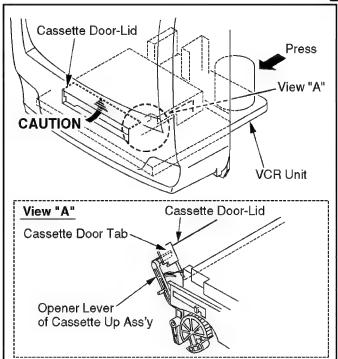


Fig. D6

2. Removal of Color Picture Tube Unit

Place the Unit face down on a soft cloth before removing the Color Picture Tube Unit.

Installation of Mechanism Chassis Ass'y and TV/VCR Main C.B.A.

When installing 2 Screws (449), slide the Holder Unit of the Cassette Up Ass'y (Refer to "WHEN LOADING WITHOUT A CASSETTE" in SERVICE NOTES) to tighten screws. Then, slide it back to the EJECT Position.

4. Removal of TV/VCR Main C.B.A.

When disconnecting the P4002 Flat Cable from the Connector P4092 on the AC Head, care must be taken to hold the Connector P4092 stable to avoid damaging it.

Otherwise, a satisfactory picture and secure precise tracking will not be achieved. (Refer to "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT.)

Installation of TV/VCR Main C.B.A.

a. Make sure the Mode Select SW. on the TV/VCR Main C.B.A. is in **EJECT** position. If not, rotate the Mode Select SW. until the alignment projection is in the **EJECT** Position.

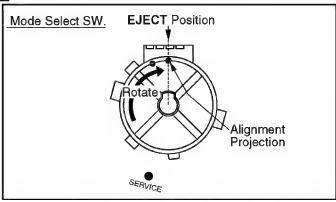


Fig. D7

b. Install the Mechanism Chassis and Cassette Up Ass'y straight onto the TV/VCR Main C.B.A. so that the Sensor LED clears the hole in the Mechanism Chassis and that 3 Connectors (P6201, P3001 and P4001) are aligned and seated securely.

5. Installation of Cassette Up Ass'y

- a. Confirm that the Locking Tab under the Cassette Up Ass'y is in Hole on the Mechanism Chassis when installing the Cassette Up Ass'y. Then, slide the Cassette Up Ass'y towards the back.
- b. When installing 2 Screws (449), slide the Holder Unit (Refer to "WHEN LOADING WITHOUT A CASSETTE" in Service Notes) to tighten screws. Then, slide it back to the **EJECT** Position.
- c. Hook Spring to the Drive Rack Arm on the Mechanism Chassis.

6.2. **MECHANISM SECTION**

6.2.1. **Disassembly/Reassembly Method**

This procedure starts with the condition that the cabinet parts and TV/VCR Main C.B.A. have been removed.

When reassembling, perform the step(s) in the reverse order.

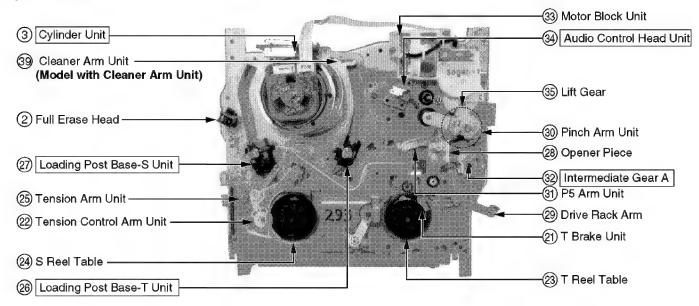
Perform all disassembly/reassembly and alignments procedures in EJECT Position.

Step/Loc. No.	Prior Step(s)	Part	Fig. No.	Remove	Alignment/Adjustment
1	ADADONALEDOS	Not used	-	•	
2_	HP#000HHOHOO	Full Erase Head	J2	(L-1), (S-1), A/C Shield Plate	
3	1	Cylinder Unit	J2	2(S-2), 3(S-3), Flexible Cable, Head Amp C.B.A., Unsolder	TAPE INTERCHANGEABILITY Adjustment
4	1000001111100	Capstan Belt	J3-1	-	
(5)	прассеннавез	Support Angle	J3-1	(S-4), (S-5)	
6	5	Intermediate Gear B	J3-1	(L-2)	Gear Alignment
7	4,5,6	Main Cam Gear	J3-1	Main Cam Push Nut	Gear Alignment
8	4	Center Clutch Unit	J4-1	(W-1)	
9	4,8	Changing Gear Spring	J4-1	·	
10	4,8,9	Changing Gear	J4-1	-	
11)	4,8,9,10	Idler Arm Unit	J4-1		
12		Reel Gear	J5-1	2(L-3)	
13	4,5,6,7,8,9,10	Main Rod	J5-1	(W-2), (L-4)	Gear Alignment
14)		Not used	-	-	
15	4	Capstan Motor Unit	J6	3(S-6)	
16		Not used	-	-	
17)		Not used	-	•	
18	NA DOS DATABLES DO NO DA COL DATABLES	Not used	-	-	(600)
19	4,8,9,10,13	T Loading Arm Unit	J7-1	•	Gear Alignment
20	4,5,6,7,8,9,10,13,19	S Loading Arm Unit	J7-1		Gear Alignment
21)		T Brake Unit	J8-1		
2	H90000HH4H00	Tension Control Arm Unit	J8-1	3(L-5)	
23	21	T Reel Table	J8-1	-	
24)	22	S Reel Table	J8-1	-	
25	22	Tension Arm Unit	J8-1	2(L-6), (P-1), (P-2)	
26	22,25	Loading Post Base-T Unit	J9	-	P2 AND P3 POST HEIGHT,
27	22,25	Loading Post Base-S Unit	J9		TAPE INTERCHANGEABILITY Adjustment
28	*************	Opener Piece	J10-1	2(L-7)	
29	4,5,6,7	Drive Rack Arm	J10-1	-	
30	28	Pinch Arm Unit	J10-1	Pinch Assist Spring	
31)	28,30	P5 Arm Unit	J10-1	-	
32	5,6,28	Intermediate Gear A	J10-1	-	Gear Alignment
33		Motor Block Unit	J11	2(\$-9)	
34)		Audio Control Head Unit	J11	(S-10)	TAPE INTERCHANGEABILITY Adjustment
35)	5,6,28,30,32,33	Lift Gear	J11	-	
36)		Not used	-	-	
37	22,25	Tension Arm Boss	J11	(L-8)	
38		SS Brake Arm Unit	J5-1	(L-9), (P-3)	
39		Cleaner Arm Unit (Model with Cleaner Arm Unit)	J11	(L-10)	

6.2.2. Inner Parts Location

Note: BOX indicates alignment (Gear Alignment or Mechanical Adjustment) required when a part is replaced.

TOP VIEW



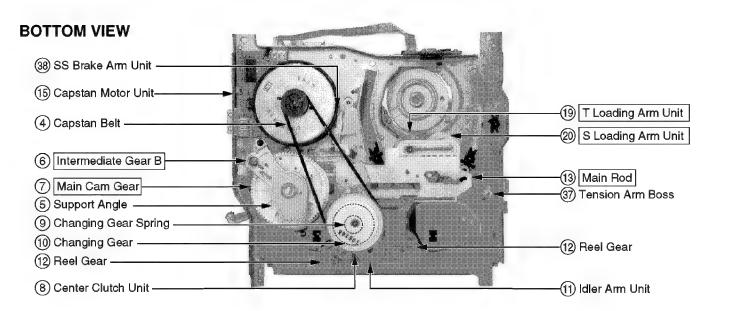


Fig. J1-1

6.2.3. EJECT Position Confirmation

Check the following alignment points to confirm that the Mechanism and Cassette Up Ass'y are in the **EJECT** Position from the top side.

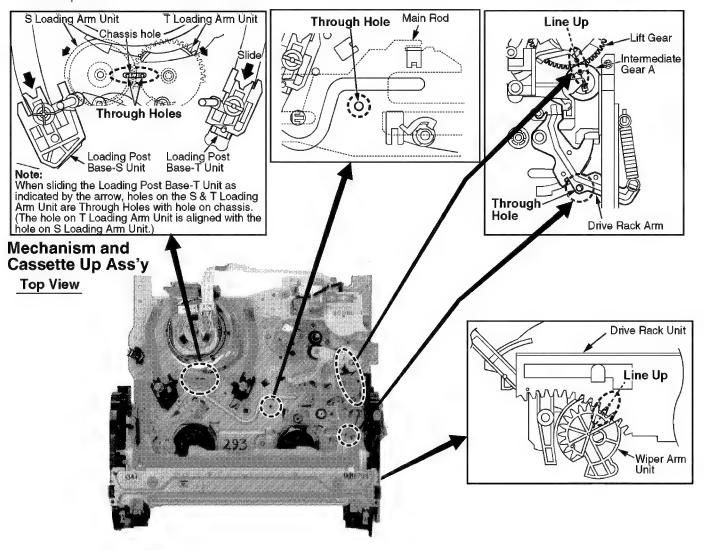


Fig. J1-2

6.2.4. **Full Erase Head and Cylinder Unit**

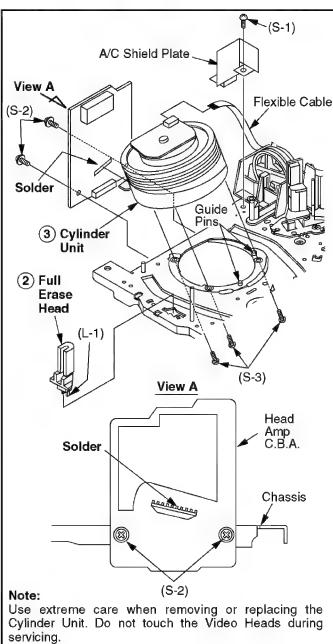


Fig. J2

6.2.4.1. **Reassembly Notes**

1. After replacing the Cylinder Unit, clear the Total elapsed "Cylinder rotation" time (in hours) to 0. Refer to "USAGE SCREEN MODE" in SERVICE NOTES.

6.2.5. Capstan Belt, Support Angle, Intermediate Gear B, and Main Cam Gear

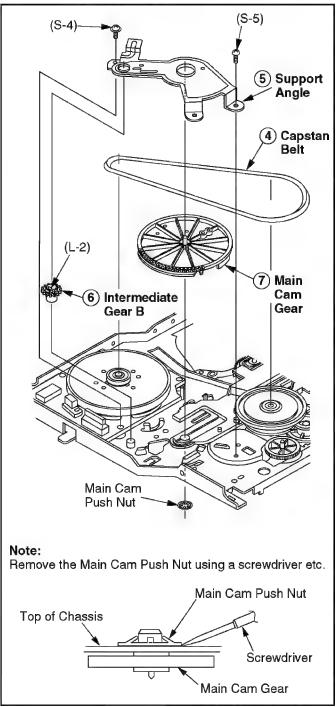


Fig. J3-1

6.2.5.1. **Reassembly Notes**

- 1. Alignment of Main Cam Gear, Drive Rack Arm, and Main
 - a. Confirm that the hole on Main Rod is a Through Hole with a hole on chassis.
 - b. Confirm that the hole on Drive Rack Arm is a Through Hole with a hole on chassis.
 - c. Install the Main Cam Gear so that the projection of Main Cam Gear is in the upward position as shown.

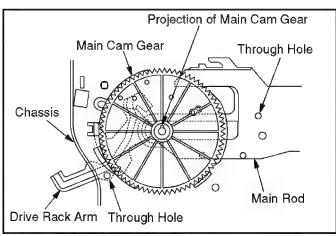


Fig. J3-2

2. Confirmation/Alignment of Intermediate Gear B, Main Cam Gear, and Intermediate Gear A

- a. Confirm that the Hole A on Lift Gear is a Through Hole with a hole on chassis.
- b. Confirm that the hole on Intermediate Gear A is aligned with the hole on Lift Gear.

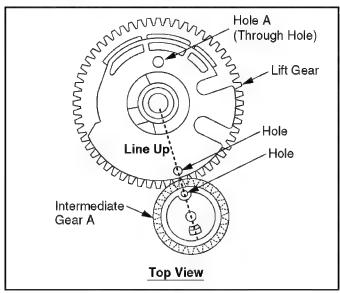


Fig. J3-3

c. Install the Intermediate Gear B so that the hole on the Intermediate Gear B is aligned with the hole on the Main Cam Gear.

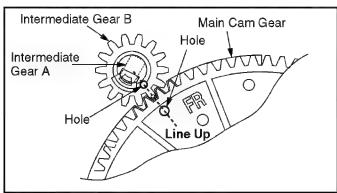


Fig. J3-4

3. Holes on Main Cam Gear

a. The EJECT mode Hole on Main Cam Gear should be a Through Hole with Hole A on Support Angle in EJECT mode. The each mode Hole on Main Cam Gear should be a Through Hole with Hole B on Support Angle in each mode.

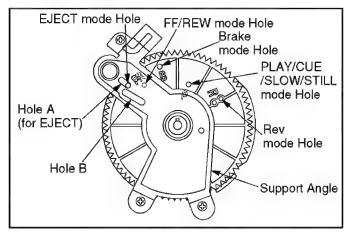


Fig. J3-5

4. Main Cam Gear Kit

a. Main Cam Gear is supplied as a Main Cam Gear Kit only.

Main Cam Gear Kit consists of a Main Cam Gear and a Main Cam Push Nut.

However, Main Cam Push Nut is available separately as a replacement part.

5. Installation of Main Cam Gear and Main Cam Push Nut

a. After installing the Support Angle, install the Main Cam Push Nut with Needlenose Pliers etc. so that it is flush with the chassis.

There may be some slight scratches on the Shaft of Main Cam Gear, when removing the Main Cam Gear. In case that the Main Cam Gear can be installed securely without tottering, it is fine to use the one. If any tottering, install all new parts.

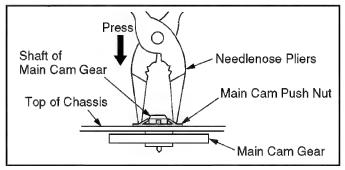


Fig. J3-6

6. The Main Cam Push Nut is not reusable. Install a new one.

6.2.6. Center Clutch Unit, Changing Gear Spring, Changing Gear, and Idler Arm Unit

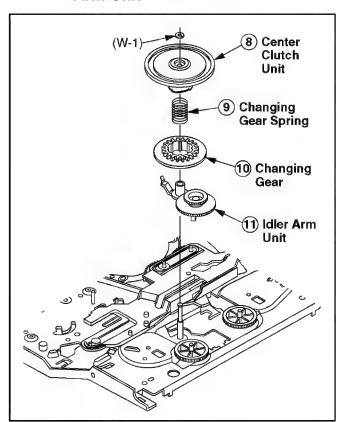


Fig. J4-1

6.2.6.1. Reassembly Notes

1. Installation of Center Clutch Unit

a. Fit the Center Clutch Unit into the Changing Gear.

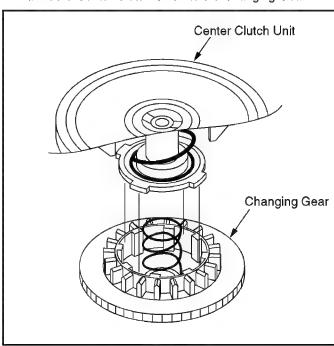


Fig. J4-2

6.2.7. Reel Gear, Main Rod, and SS Brake Arm Unit

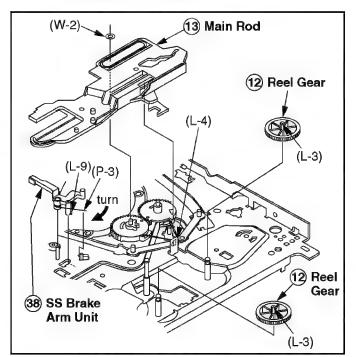


Fig. J5-1

6.2.7.1. Reassembly Notes

1. Alignment of Main Rod and T Loading Arm Unit

a. Align the Gear of T Loading Arm Unit with Gear of Main Rod. Confirm that the Hole on Main Rod is a Through Hole with a hole on chassis.

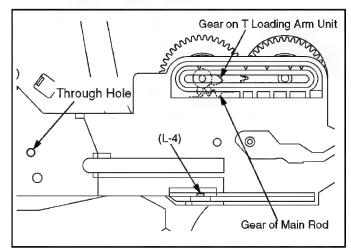


Fig. J5-2

6.2.8. Capstan Motor Unit

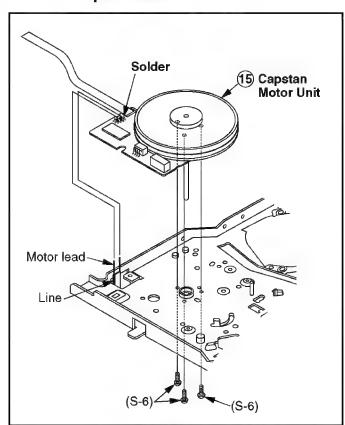


Fig. J6

6.2.9. T Loading Arm Unit and S Loading Arm Unit

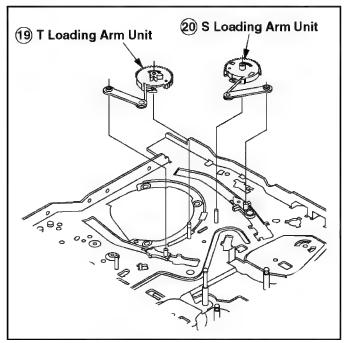


Fig. J7-1

6.2.9.1. Reassembly Notes

- 1. Alignment of T Loading Arm Unit and S Loading Arm Unit
 - a. Install the S Loading Arm Unit onto the chassis.
 - b. Install the T Loading Arm Unit so that the hole on T Loading Arm Unit is aligned with the hole on S Loading Arm Unit.
 - c. Confirm that the holes on the S & T Loading Arm Unit are Through Holes with hole on chassis.

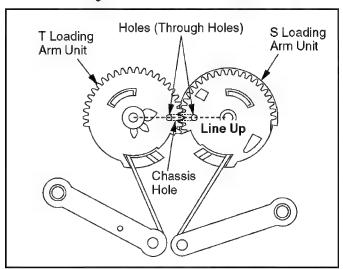


Fig. J7-2

6.2.10. T Brake Unit, Tension Control Arm Unit, T Reel Table, S Reel Table, and Tension Arm Unit

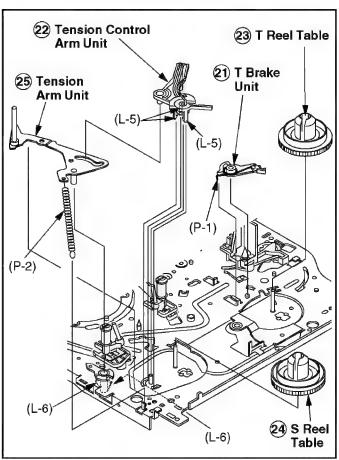


Fig. J8-1

6.2.10.1. Reassembly Notes

1. How to distinguish between S Reel Table and T Reel Table

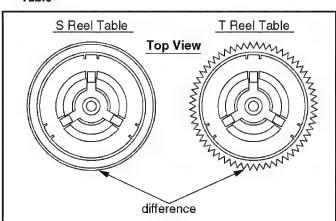


Fig. J8-2

6.2.11. Loading Post Base -T Unit and Loading Post Base -S Unit

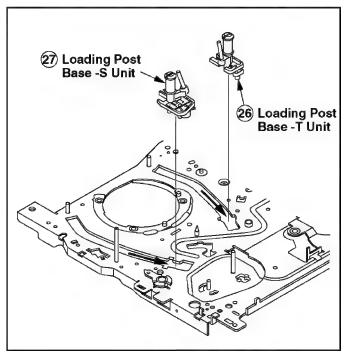


Fig. J9

6.2.12. Opener Piece, Drive Rack Arm, Pinch Arm Unit, P5 Arm Unit, and Intermediate Gear A

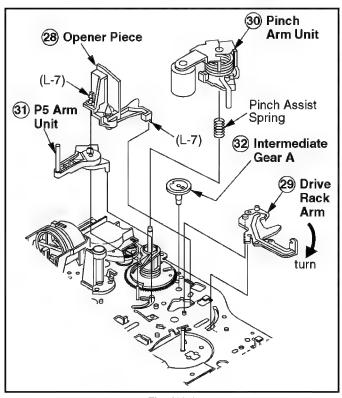


Fig. J10-1

6.2.12.1. Reassembly Notes

1. Installation/Alignment of Intermediate Gear A, Lift Gear and P5 Arm Unit

- a. Rotate the Lift Gear so that Hole A on Lift Gear is a Through Hole with a hole on chassis.
- b. Install the Intermediate Gear A so that the hole on Intermediate Gear A is aligned with the hole on Lift Gear
- c. Install the P5 Arm Unit so that it contacts with the tab of chassis.

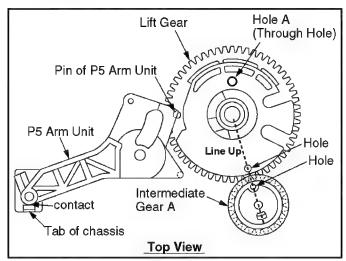


Fig. J10-2

2. Installation of Opener Piece

a. Install the Opener Piece so that the slot of the Opener

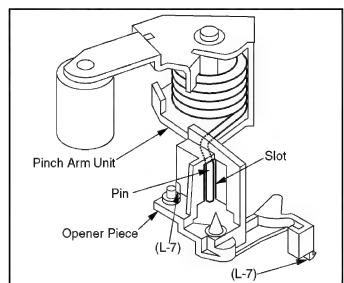


Fig. J10-3

6.2.13. Motor Block Unit, Audio Control Head Unit, Lift Gear, Tension Arm Boss, and Cleaner Arm Unit

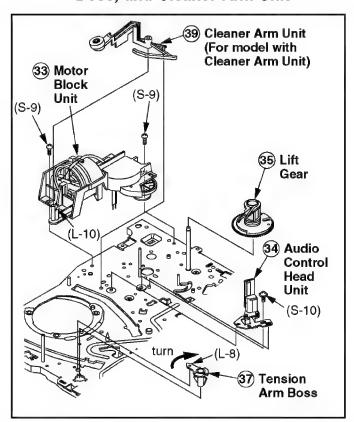


Fig. J11

6.3. CASSETTE UP ASSEMBLY SECTION

This chart indicates Step/Location No. of Parts to be serviced and prior steps to gain access items to be serviced when disassembling. When reassembling, perform the step(s) in the reverse order.

Step/Loc. No.	Prior Step(s)	Part	Fig. No.	Remove	Alignment/Adjustment
1		Top Plate	K1-1	(L-1), (L-2)	
2	1	Wiper Arm Unit	K1-1	2(L-3)	Gear Alignment
3	1,2	Holder Unit	K1-1	-	
4)	N O K OO D D O O K O D	Opener Lever	K2	2(L- 4)	
(5)	1,2,3,4	Drive Rack Unit	K2	-	

6.3.1. Top Plate, Wiper Arm Unit, and Holder Unit

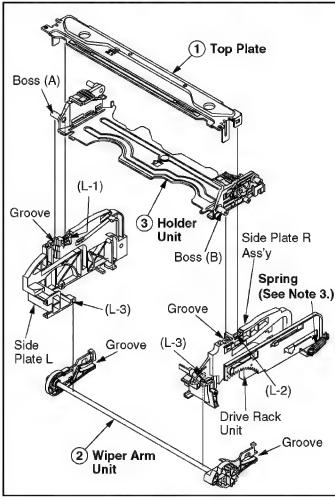


Fig. K1-1

6.3.1.1. Reassembly Notes

1. Alignment of Wiper Arm Unit and Drive Rack Unit

- a. Slide the Drive Rack Unit to the far right as indicated by the arrow.
- b. Install the Wiper Arm Unit so that the hole on the Wiper Arm Unit is aligned with the hole on the Drive Rack Unit.

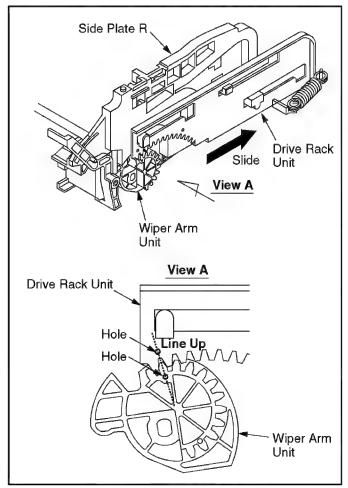


Fig. K1-2

2. Installation of Holder Unit

- a. Turn the Wiper Arm Unit so that the grooves on each end are aligned with the each groove on Side Plate L and R.
- b. Insert Holder Unit boss (A) and (B) into the grooves as shown in Fig. K1-1.
- c. Finally, in the **EJECT** Position, confirm that the protrudence on the Wiper Arm Unit is aligned with the indentation on the Drive Rack Unit.

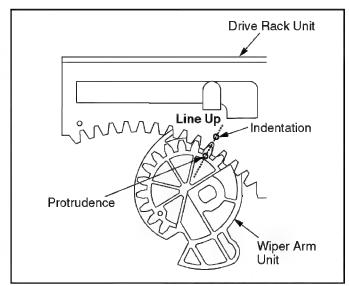


Fig. K1-3

Make sure to hook the spring to the Drive Rack Arm of Mechanism chassis.

6.3.2. Opener Lever and Drive Rack Unit

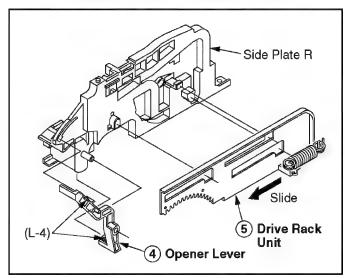
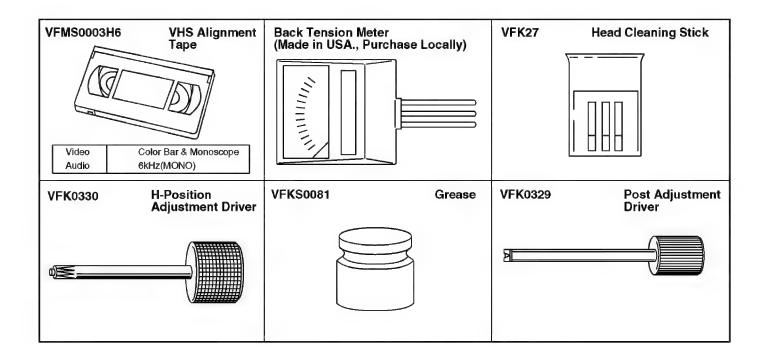


Fig. K2

7 ADJUSTMENT PROCEDURES

7.1. SERVICE FIXTURES AND TOOLS

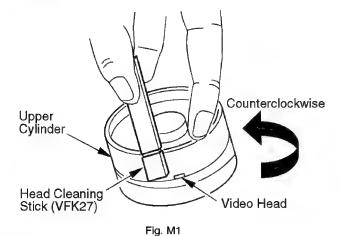


7.2. MECHANICAL ADJUSTMENT

7.2.1. CLEANING PROCEDURE FOR THE UPPER CYLINDER UNIT

 While slowly turning the Upper Cylinder Unit counterclockwise by hand, gently rub the Video Heads with a Head Cleaning Stick (VFK27) moistened with Ethanol.

When using a Cleaning Cassette, make sure to use "DRY" type only and be aware that excessive use can shorten head life.



Note:

 Do not rub vertically or apply excess pressure to the Video Heads.

Do not turn the Upper Cylinder Unit clockwise while cleaning.

After cleaning, use a Dry Head Cleaning Stick (VFK27) to remove any Ethanol remaining on the cylinder tape path. Otherwise, tape damage will occur.

7.2.2. ADJUSTMENT PROCEDURES

7.2.2.1. BACK TENSION CONFIRMATION

Purpose: To fine adjust the Back Tension so that

the tape runs smoothly with a constant

tension.

Symptom of Misadjustment: 1) If the tape tension is less than the specified value, the tape cannot come

into proper contact with the Video Heads, resulting in poor picture playback.

2) If the tape tension is too high, the tape

will soon be damaged.

Equipment Back Tension Meter (Made in U.S.A.,

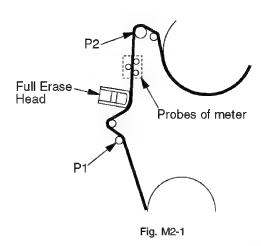
Required: Purchase Locally)

VHS Cassette Tape (120-Minute Tape)

Specification: 22.4 gf±2.5 gf

(0.220 N±0.025 N)

- Play back a T120 cassette tape from the beginning for approx. 10 to 20 seconds to stabilize tape movement.
- Insert a Tension Meter into tape path and measure the back tension.



If the reading is out of specification, make sure that there is no dust or foreign material between the Brake Pad of Tension Control Arm Unit and the S Reel Table.

After cleaning, the reading of tension measurement is still out of specification, replace the Tension Arm Unit and the Tension Control Arm Unit.

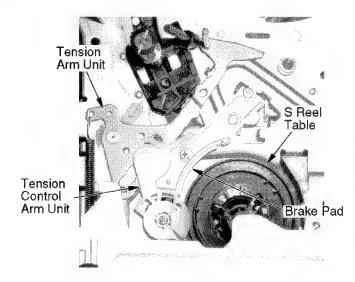


Fig. M2-2

Note:

- Be sure that the three probes of the meter are all in solid contact with the tape, but not touching any other parts of the mechanism.
- 2. It is recommended that measurements should be repeated at least three (3) times because the tension meter is very sensitive to external vibrations.

7.2.2.2. TAPE INTERCHANGEABILITY ADJUSTMENT

Note:

To perform these adjustment/confirmation procedures, set the tracking to the neutral position.

Equipment Dual Trace Oscilloscope

Required: VHS Alignment Tape (VFMS0003H6)

Post Adjustment Driver (VFK0329)

H-Position Adjustment Driver (VFK0330)

7.2.2.2.1. ENVELOPE OUTPUT ADJUSTMENT

The height of the P2 and P3 Posts replacement part is preadjust at the factory.

Purpose: To achieve a satisfactory picture and

secure precise tracking.

Symptom of Misadjustment:

If the envelope is output poorly, much noise will appear in the picture. Then the

tracking will lose precision and the playback picture will be distorted by any slight variation of the tracking control

circuit.

Equipment

Post Adjustment Driver (VFK0329)

Required:

- Place a jumper between TP6003 and +5 V(TP6009) on the TV/VCR Main C.B.A. to defeat Auto Tracking.
- 2. Eject the tape and insert it again to access the Neutral Tracking position.
- 3. Play back the alignment tape.
- Connect the oscilloscope to TP3002 on the Video Signal Process Section of the TV/VCR Main C.B.A. Use TP6205 as a trigger.
- 5. Confirm that the RF envelope is flat enough (V1/V-max. is 0.7 or more). If not, with Post Adjustment Driver, adjust P2 and P3 post height so that the envelope waveform becomes as flat (V1/V-max. is 0.7 or more) as possible (No envelope drop). If the envelope drop appears on the left-half of the waveform, adjust P2 post height. If the envelope drop appears on the right-half of the waveform, adjust P3 post height.

CAUTION:

Overtightening P2 and P3 posts may cause the threads to strip.

Note:

It will be possible to confirm Step 5 according to following steps.

a. Press the Tracking Control Up or Down button on remote control. Make sure that the envelope waveform remains flat. If not, readjust P2 and/or P3 post heights.

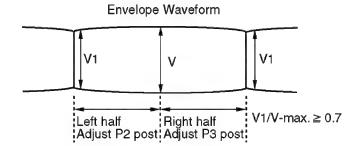


Fig. M3-1

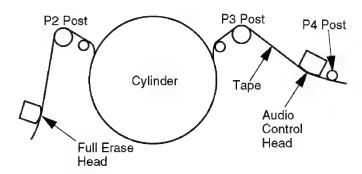
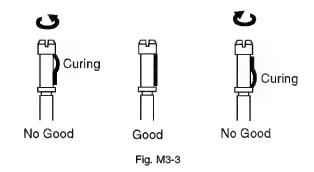


Fig. M3-2

After adjustment, confirm that the tape travels without curling at P2 and P3 posts.



7. Remove the jumper after completing the adjustment procedure.

AUDIO CONTROL HEAD TILT 7.2.2.2.2. ADJUSTMENT

To confirm that the tape runs smoothly. In Purpose:

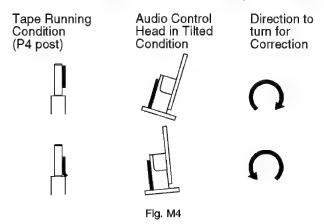
particular, confirm that the tape properly picks up the Audio Signal at the upper part of the head and the Control Signal at

the lower part of the head.

Symptom of Misadjustment: If the tilt of the Audio Control Head is poorly adjusted, the tape will eventually be damaged. An intermittent Blue screen

may be seen in Playback.

- 1. Play back a T120 cassette tape and check that the tape travels smoothly between the upper and lower guides of the P4 post.
- 2. If necessary, adjust Black Screw (B) clockwise until the tape begins to curl at the lower edge of the P4 post. Then adjust the screw counterclockwise until the curling is eliminated.



7.2.2.2.3. **AUDIO CONTROL HEAD HEIGHT ADJUSTMENT**

The height of the Audio Control Head replacement part is preset at the factory.

Purpose: To be sure the tape runs properly along

the Control Head.

Symptom of If the control signal is not properly picked Misadjustment: up, Servo Operation cannot be achieved.

A Blue screen will be seen in Playback.

This confirmation is required when the Audio Control Head is replaced.

- 1. Play back a T120 cassette tape and check that the lower edge of the tape runs approximately 0.25 mm above the lower edge of the Audio Control Head.
- 2. If necessary, adjust Black Screws (A) and (B) clockwise to lower the tape or counterclockwise to raise.

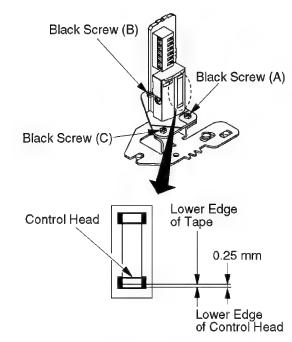


Fig. M5

AUDIO CONTROL HEAD 7.2.2.2.4. AZIMUTH ADJUSTMENT

Purpose: To adjust the position and height of the

Audio Control Head so that it meets the

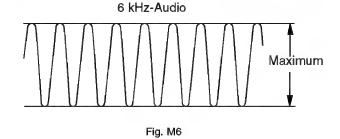
tape tracks properly.

Symptom of

If the position of the Audio Control Head Misadjustment: is not properly adjusted, the Audio S/N

Ratio is poor.

- 1. Connect the oscilloscope to the TP4002 on the TV/VCR Main C.B.A.
- 2. Play back the 6 kHz Monaural Audio portion of the alignment tape.
- 3. Adjust Black Screw (C) on the Audio Control Head base so that the output level is at maximum.



4. Confirm the height of the Audio Control Head is proper. If not, readjust Black Screws (A) and (B).

7.2.2.2.5. AUDIO CONTROL HEAD HORIZONTAL POSITION ADJUSTMENT

Purpose: To adjust the Horizontal Position of the

Audio Control Head.

Symptom of Misadjustment:

If the Horizontal Position of the Audio Control Head is not properly adjusted, a maximum envelope cannot be obtained at the Neutral Position of the Tracking

Control Circuit.

- 1. Place a jumper between TP6003 and +5 V(TP6009) on the TV/VCR Main C.B.A. to defeat Auto Tracking.
- 2. Eject the tape and insert it again to access the Neutral Tracking position.
- 3. Play back the alignment tape.
- 4. Connect the oscilloscope to TP3002 on the Video Signal Process Section of the TV/VCR Main C.B.A. Use TP6205 as a trigger.
- Loosen the Black Screw (D) and tighten it slightly. Set the H-Position Adjustment Driver into the Hole (A). Then slowly turn the fixture either clockwise or counterclockwise so that the envelope is at maximum.

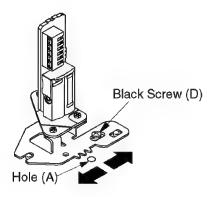


Fig. M7

- 6. Tighten Black Screw (D).
- 7. Remove the jumper between TP6003 and +5 V(TP6009).

Note:

Old type of H-Position Adjustment Driver (VFK0136) can be used for this adjustment.

7.3. ELECTRICAL ADJUSTMENT

7.3.1. TEST EQUIPMENT

To do all of these electrical adjustments, the following equipment is required.

1. Dual-Trace Oscilloscope

Voltage Range: 0.001 V to 50 V/Div. Frequency Range: DC to 50 MHz

Probes: 10:1, 1:1

2. NTSC Video Pattern Generator

3. DVM (Digital Volt Meter)

4. MTS/SAP Signal Generator

(TV Multi-Channel Sound Modulator (U.S.A.))

5. Frequency Counter

Frequency Range: 0 to 150 MHz

6. Plastic Tip Driver and Non-Metal Driver

7. Isolation Transformer (Variable)

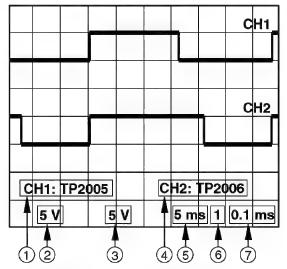
8. VHS Alignment Tape (VFMS0003H6)

9. Degaussing Coil

10. White Pattern Generator

11. Audio Generator

7.3.2. HOW TO READ THE ADJUSTMENT PROCEDURES



- 1. Connecting Point
- 3. Volts/DIV
- 5. Time/DIV
- 7. Time/DIV for Delay
- 2. Volts/DIV
- 4. Connecting Point
- 6. Trigger Channel of the Scope
 - 1 : CH1
 - 2: CH2

Fig.E1

7.3.3. FM VCO ADJUSTMENT (FOR MODEL WITH FM RADIO AND TV STEREO)

Purpose: To set VCO free run frequency.

Symptom of Even when stereophony is received, only

Misadjustment: monaural sound will be output.

Test Point: C9203(-), TP9201 (TV/VCR Main C.B.A.)

Adjustment: R9206 (TV/VCR Main C.B.A.)

Specification: 38.0 kHz±50 Hz

INPUT : -----

Mode: STEREO audio (FM Radio)

Equipment : Frequency Counter

1. Connect C9203(-) on the TV/VCR Main C.B.A. to GND.

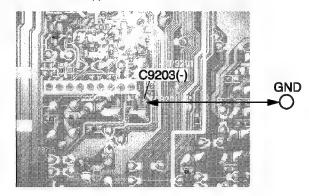


Fig. E3-1

 Connect TP9201 on the TV/VCR Main C.B.A. to GND through a resistor (3.3 kW). Then, connect Frequency Counter to TP9201.

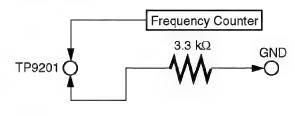


Fig. E3-2

3. Adjust R9206 (FM VCO) so that the frequency is 38.0 kHz± 50 Hz.

7.3.4. EVR (Electronic Variable Register) ADJUSTMENT WITH THE REMOTE CONTROL

This unit has electronic technology using I2C Bus concept. The following control functions are adjusted by using "On Screen Displays" and the remote control instead of adjusting mechanical controls (VR).

Memory IC Reference Table

Control functions	% 1 Address	Range	Default
SUB COLOR	00	C0 - FF, 00 - 3F	00
SUB TINT	01	E0 - FF, 00 - 1F	00
SUB BRIGHT	02	C0 - FF, 00 - 3F	DE
CONTRAST	03	C1 - FF, 00	00
SUB SHARPNESS	04	E0 - FF, 00 - 1F	F0
R CUT -OFF	05	00 - 7F	1E
G CUT -OFF	06	00 - FD	3C
B CUT -OFF	07	00 - FD	3C
G DRIVE	80	00 - 7F	40
B DRIVE	09	00 - 7F	40
SUB CONTRAST	OA	00 - 0F	06
H-CENTER	0B	00 - 0F	08
V SIZE	0D	00 - 7F	40
V POSITION &2	0E	00 - 1F	03
ANR	10	00 - FD	89
PIC	11	00 - FD	86
VV COLOR	12	00 - FF	00
VV TINT	13	00 - FF	00
VV SHARPNESS	14	00 - FF	F8
PG SHIFTER	15	01 - FD	80
FM ANT 💸 3	18	00 - 01	00/01

Note:

- *1. Address is not displayed on the TV screen. Other Addresses except above are not used.
- %2. For Model with 20 inch CRT, V POSITION are not required in EVR adjustment.

7.3.4.1. EVR ADJUSTMENT ITEM

The following Items need to be adjusted for EVR adjustment.

- PG SHIFTER ADJUSTMENT
- SUB CONTRAST ADJUSTMENT
- FOCUS, SCREEN, CUT OFF, DRIVE ADJUSTMENT
- SUB COLOR/SUB TINT ADJUSTMENT
- V. HEIGHT/H. POSITION ADJUSTMENT
- WHITE BALANCE ADJUSTMENT
- SUB BRIGHTNESS ADJUSTMENT

7.3.4.2. How to enter EVR adjustment mode

Press and hold STOP, PLAY, and VOL- buttons on the unit together over 5 seconds with no cassette inserted.

The adjustment overlay will appear.

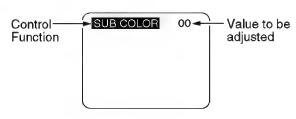


Fig. E4-1

7.3.4.2.1. How to adjust:

 Press CH UP/DOWN key on the remote control to select control function to be adjusted.

Important Note:

Make a note of the original value of the controls before modifying in case the wrong control is adjusted.

Press VOL -/+ key on the remote control so that the shaded area moves to the value.

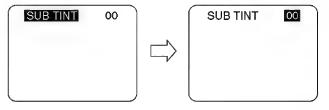


Fig. E4-2

3. Press CH UP/DOWN key on the remote control to adjust the value of the selected control.

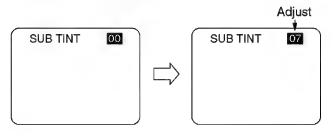


Fig. E4-3

Note:

You can select a desired channel by using the numbered keys on the remote control in EVR adjustment mode.

4. Press VOL -/+ key on the remote control so that the shaded area moves to the control function.

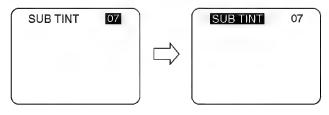


Fig. E4-4

Press CH UP/DOWN key on the remote control to select a control function for the next adjustment if necessary.

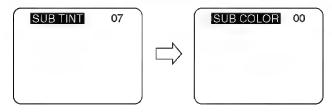


Fig. E4-5

7.3.4.2.2. How to release from EVR Adjustment Mode:

Press and hold STOP, PLAY, and VOL- buttons on the unit together over 5 seconds again or press the POWER button OFF to release EVR adjustment mode. The adjusted value will be written to Memory IC (IC6004).

7.3.4.3. HOW TO ENTER EVR PG SHIFTER ADJUSTMENT MODE

- 1. Enter EVR adjustment mode.
- Insert the VHS Alignment Tape and playback in SP mode.The adjustment overlay will appear.

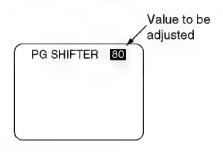


Fig. E4-6

7.3.4.3.1. How to adjust:

Press CH UP/DOWN key on the remote control to adjust the value.

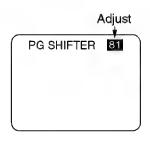


Fig. E4-7

7.3.4.3.2. How to release from EVR PG Shifter Adjustment Mode:

Press STOP button or press the POWER button OFF.
The adjusted value will be written to Memory IC (IC6004).

7.3.4.4. HOW TO ENTER SERVICE MODE

- 1. Enter EVR adjustment mode.
- Press DISPLAY key on the remote control for collapse scan.

Note:

Before pressing DISPLAY key on the remote control for collapse scan, select the desired control function and move the shaded area to the value for adjustments you will proceed.

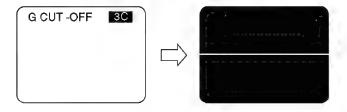


Fig. E4-8

7.3.4.4.1. How to release from Service Mode:

Press DISPLAY key again on the remote control.

7.3.5. PG SHIFTER ADJUSTMENT

Determine the Video Head Switching Purpose:

Point during Playback.

Symptom of May cause Head Switching Noise and/or

Misadjustment: Vertical Jitter.

Test Point: TP3001 (TV/VCR Main C.B.A.),

TP6205 (TV/VCR Main C.B.A.)

Adjustment: PG SHIFTER (EVR)

Specification: $T = 6 H \pm 1 H (0.38 ms \pm 0.06 ms)$

INPUT:

Mode: SP Playback Equipment: Oscilloscope,

VHS Alignment Tape (VFMS0003H6)

- 1. Enter EVR PG Shifter Adjustment mode, refer to "HOW TO ENTER EVR PG SHIFTER ADJUSTMENT MODE."
- 2. Connect the channel-1 scope probe to TP3001 and the channel-2 scope probe to TP6205. Used TP6205 as a trigger.
- 3. Adjust value so that the trailing edge of the head switching pulse is placed 6 H±1 H (0.38 ms±0.06 ms) before the start of the vertical sync pulse.
- 4. Release EVR PG Shifter Adjustment Mode.

The adjusted value will be written to Memory IC (IC6004).

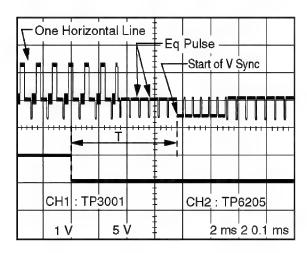


Fig. E5

7.3.6. SUB CONTRAST ADJUSTMENT

Purpose: To set the optimum sub contrast level. Symptom of The picture is too dark or too light.

Misadjustment:

Test Point: Pin 5 of P6001 (TV/VCR Main C.B.A.) or

TP49 (CRT C.B.A.)

Adjustment: SUB CONTRAST (EVR) 3.0 V[p-p]±0.1 V[p-p] Specification: INPUT: Video Input Jack,

Crosshatch Pattern Signal 1 V[p-p]

(75 Ω terminated)

Mode: STOP Equipment:

Oscilloscope,

- NTSC Video Pattern Generator
- 1. Supply a Crosshatch Pattern Signal to the Video Input Jack. 2. Connect the Oscilloscope to Pin 5 of P6001 on the TV/VCR
- Main C.B.A. or TP49 on the CRT C.B.A.
- 3. Select SUB BRIGHT in EVR adjustment mode. Then, after making a note of the original value, adjust to the (C0).
- 4. Select SUB CONTRAST in EVR adjustment mode and adjust so that the level A is 3.0 V[p-p]±0.1 V[p-p].
- 5. Select SUB BRIGHT in EVR adjustment mode and reset to the original value.

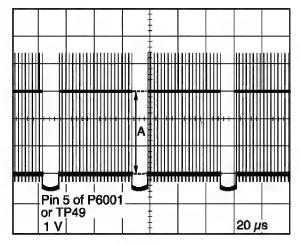


Fig. E6

7.3.7. FOCUS, SCREEN, CUT OFF, DRIVE ADJUSTMENT

Purpose: Symptom of To set the optimum Focus and Screen. The picture is out of Focus and there will be an improper screen color mix.

Misadjustment: Test Point:

TP50 (CRT C.B.A.)

Adjustment:

FOCUS CONTROL (Flyback

Transformer),

SCREEN CONTROL (Flyback

Transformer),

SUB BRIGHT (EVR),

B DRIVE (EVR), G DRIVE (EVR),

B CUT -OFF (EVR),

G CUT -OFF (EVR),

R CUT -OFF (EVR)

Specification:

Refer to descriptions below.

INPUT:

Video Input Jack,

Monoscope Pattern Signal

Mode:

STOP

Equipment:

Oscilloscope,

NTSC Video Pattern Generator

- Supply a Monoscope Pattern Signal to the Video Input Jack.
- 2. Connect the Oscilloscope to TP50 on the CRT C.B.A. (Use TP47 for GND.)
- 3. Select SUB BRIGHT and move the shaded area to the value in EVR adjustment mode.
- Adjust the FOCUS CONTROL on the Flyback Transformer so that the center of picture is the sharpest.
- Turn the SCREEN CONTROL on the Flyback Transformer fully counterclockwise.
- Press DISPLAY key on the remote control for collapse scan. (Refer to HOW TO ENTER SERVICE MODE.)
- 7. Adjust SUB BRIGHT in EVR adjustment mode so that the level A is (140 VDC±5 VDC: For model with 13 inch CRT) or (170 VDC±5 VDC: For model with 20 inch CRT) or (185 VDC±5 VDC: For model with 25 inch CRT).

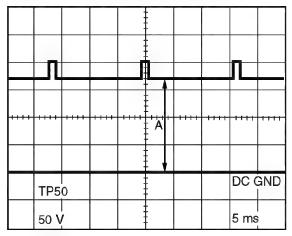


Fig. E7

Turn the SCREEN CONTROL on the Flyback Transformer clockwise carefully and stop at the point where any color is first observed.

9. In EVR adjustment mode, select the two colors not observed in step 8 from the following control functions (B CUT -OFF, G CUT -OFF, or R CUT -OFF) and adjust so that the horizontal line becomes white.

For example, if the horizontal line appeared red in step 8, select and adjust the B CUT -OFF and G CUT -OFF. (See NOTE)

- Press DISPLAY key on the remote control again to return for full frame scan.
- 11. Select SUB BRIGHT in EVR adjustment mode and adjust so that the picture has adequate brightness.
- 12. Select G DRIVE and B DRIVE in EVR adjustment mode and adjust so that the entire screen is white.

Note:

Before pressing DISPLAY key on the remote control for collapse scan, select the desired control function and move the shaded area to the value.

7.3.8. SUB COLOR/SUB TINT ADJUSTMENT

Purpose: To set the standard color phase. Symptom of Color phase will be shifted.

Misadjustment:

Test Point: Pin 5 of P6001 (TV/VCR Main C.B.A.) or

TP49 (CRT C.B.A.)

Adjustment: SUB COLOR (EVR), SUB TINT (EVR)

Specification : $C = 1.40 \text{ V[p-p]} \pm 0.15 \text{ V[p-p]}$

(For model with 13 inch CRT)
C = 1.50 V[p-p]±0.15 V[p-p]

(For model with 20/25 inch CRT)

INPUT: Video Input Jack,

Rainbow Color Bar

Mode: STOP

Equipment: Oscilloscope,

NTSC Video Pattern Generator

- 1. Supply the Rainbow Color Bar signal to Video Input Jack.
- 2. Select SUB BRIGHT in EVR adjustment mode. Then, after making a note of the original value, adjust to the minimum (C0).
- 3. Connect the Oscilloscope to Pin 5 of P6001 on the TV/VCR Main C.B.A. or TP49 on the CRT C.B.A.
- 4. Select SUB TINT in EVR adjustment mode and adjust so that level A and B should be equal in amplitude.

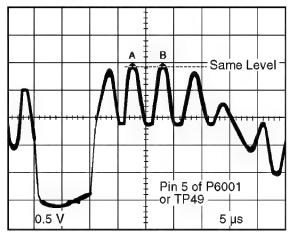


Fig. E8-1

5. Select SUB COLOR in EVR adjustment mode and adjust so that the level C is (1.40 V[p-p]±0.15 V[p-p]: For model with 13 inch CRT) or (1.50 V[p-p]±0.15 V[p-p]: For model with 20/25 inch CRT).

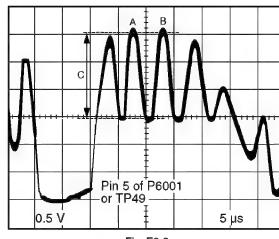


Fig. E8-2

- 6. Select SUB TINT in EVR adjustment mode and increase level B 1 click above the same level.
- 7. Select SUB BRIGHT in EVR adjustment mode and reset to the original value.

7.3.9. V. HEIGHT/H. POSITION ADJUSTMENT

Purpose: To set the standard vertical and

horizontal picture size.

Symptom of The picture size is on the vertical and

Misadjustment: horizontal axis is abnormal.

Test Point : -----

Adjustment: V SIZE (EVR),

H-CENTER (EVR), V POSITION (EVR)

(For model with 13/25 inch CRT)

Specification: Refer to descriptions below.

INPUT: Video Input Jack,

Monoscope Pattern Signal

Mode: STOP

Equipment: NTSC Video Pattern Generator

(For model with 13 inch CRT)

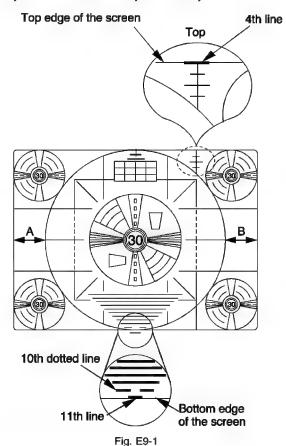
1. Supply a Monoscope Pattern Signal to the Video Input

2. Select H-CENTER in EVR adjustment mode and adjust so that width A is approximately equal to width B.

Note:

Width A is wider than width B slightly.

- 3. Select V SIZE in EVR adjustment mode and adjust so that the 11rd line is just in view.
- If the line are not positioned correctly, select V POSITION in adjustment mode and adjust correctly.



(For model with 20/25 inch CRT)

1. Supply a Monoscope Pattern Signal to the Video Input Jack.

- 2. Select H-CENTER in EVR adjustment mode and adjust so that A is approximately equal to width B.
- Select V SIZE in EVR adjustment mode and adjust so that the top 4th line is just in view.
- Confirm that the bottom 3rd line is in view and that the bottom 4th line is out of view.

(For model with 25 inch CRT only)

If the line are not positioned correctly, select V POSITION in adjustment mode and adjust correctly.

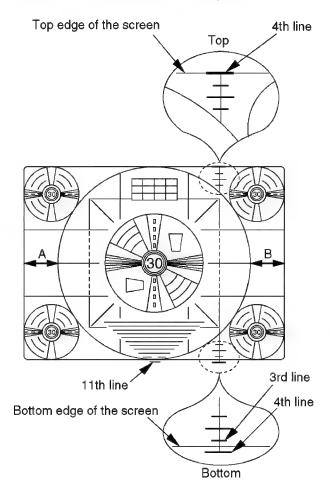


Fig. E9-2

7.3.10. WHITE BALANCE ADJUSTMENT

Purpose: To set the standard white level for each

color temperature.

Symptom of Misadiustments

White becomes bluish or reddish.

Misadjustment:

Test Point: TP50 (CRT C.B.A)

Adjustment: FOCUS CONTROL (Flyback

Transformer),

SCREEN CONTROL (Flyback

Transformer),

SUB BRIGHT (EVR),
G DRIVE (EVR),
B DRIVE (EVR),
R CUT -OFF (EVR),

G CUT -OFF (EVR), B CUT -OFF (EVR)

Specification: Refer to descriptions below.

INPUT: Video Input Jack,

Monoscope Pattern Signal,

White Pattern Signal

Mode: STOP

Equipment: NTSC Video Pattern Generator,

White Pattern Generator,

Oscilloscope

 Supply a Monoscope Pattern Signal to the Video Input Jack.

2. Connect the Oscilloscope to TP50 on the CRT C.B.A. (Use TP47 for GND.)

Select SUB BRIGHT and move the shaded area to the value in EVR adjustment mode.

Adjust the FOCUS CONTROL on the Flyback Transformer so that the center of picture is the sharpest.

Turn the SCREEN CONTROL on Flyback Transformer fully counterclockwise.

Press DISPLAY key on the remote control for collapse scan. (Refer to HOW TO ENTER SERVICE MODE.)

7. Adjust SUB BRIGHT in EVR adjustment mode so that the level A is (140 VDC±5 VDC: For model with 13 inch CRT) or (170 VDC±5 VDC: For model with 20 inch CRT) or (185 VDC±5 VDC: For model with 25 inch CRT).

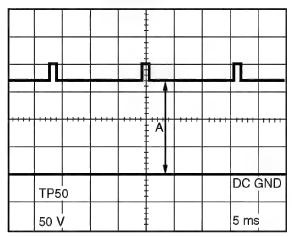


Fig. E10

8. Turn the SCREEN CONTROL on the Flyback Transformer

clockwise carefully and stop at the point where any color is first observed.

9. In EVR adjustment mode, select the two colors not observed in step 8 from the following control functions (B CUT -OFF, G CUT -OFF, or R CUT -OFF) and adjust so that the horizontal line becomes white.

For example, if the horizontal line appeared red in step 8, select and adjust the B CUT -OFF and G CUT -OFF. (See NOTE)

- 10. Supply a White Pattern Signal to the Video Input Jack.
- 11. Press DISPLAY key on the remote control again to return for full frame scan.
- 12. Select G DRIVE and B DRIVE in EVR adjustment mode and adjust so that the entire screen is white.
- 13. Select SUB BRIGHT in EVR adjustment mode. Then, after making a note of the original value, adjust to the minimum (C0) and while turning SUB BRIGHT value from minimum (C0) up to maximum (3F), confirm that the screen is tracking the White Pattern properly. Repeat the above steps 5, 9, 11, and 12 until the screen is properly tracking the White Pattern.

Note:

Before pressing DISPLAY key on the remote control for collapse scan, select the desired control function and move the shaded area to the value.

7.3.11. SUB BRIGHTNESS ADJUSTMENT

Purpose: To set the optimum brightness level. Symptom of The picture is too white or too black.

Misadjustment:

Test Point:

Adjustment : SUB BRIGHT (EVR)

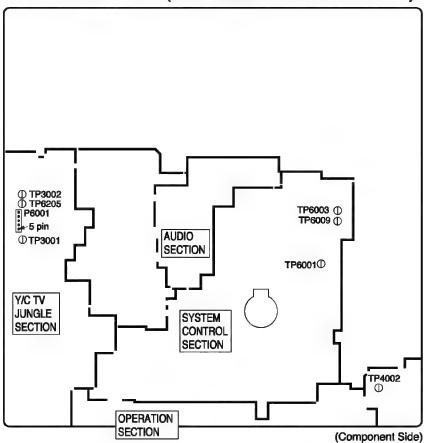
Specification: Refer to descriptions below.

INPUT: -----Mode: STOP

- 1. Do not input any signal to the unit.
- 2. Set INPUT SELECT item to LINE in SET UP TV menu to display black screen.
- 3. Select SUB BRIGHT in EVR adjustment mode, and adjust so that the black screen starts to turn gray (lighting only).

7.4. TEST POINTS AND CONTROL LOCATION

TV/VCR Main C.B.A. (For model with 13/20 inch CRT)

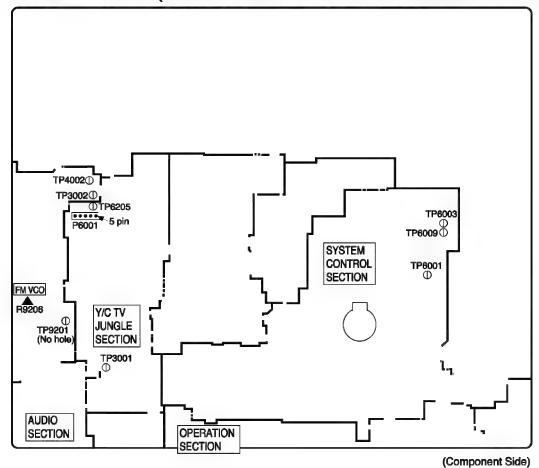


	FUNCTION OF IMPORTANT TEST POINTS				
TP3001	Video Signal				
TP3002	REC/PB Video envelope signal				
TP4002	Normal Audio signal				
TP6001	Service Test Point (inhibit sensors)				
TP6003	Defeat Auto tracking function (connect to +5V(TP6009))				
TP6009	+5V				
TP6205	Head SW.				

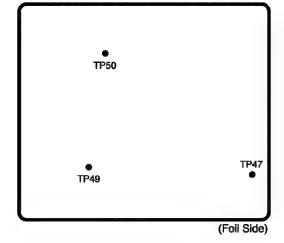
Test Point Information

- Test Point with a Test Pin.
- ① Test Point with a jumper wire across a hole in the P.C.B.
- O Test Point with no Test Pin.

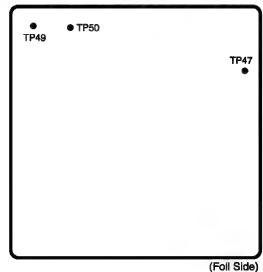
TV/VCR Main C.B.A. (For model with 20 inch CRT TV Stereo/25 inch CRT)



CRT C.B.A. (For model with 13 inch CRT)



CRT C.B.A. (For model with 20/25 inch CRT)



8.1. SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES

1. Important safety notice

Components identified by the sign have special characteristics important for safety. When replacing any of these components. Use only the specified parts.

2. Do not use the part number shown on this drawing for ordering.

The correct part number and part value is shown in the parts list, and may be slightly different or amended since this drawing was prepared.

3. Use only original replacement parts:

To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list section of the service manual.

- 4. Parts different in shape or size may be used. However, only interchangeable parts will be supplied as service replacement parts.
- 5. Test point information
 - Test point with a jumper wire across a hole in P.C.B.
 - : Test point with no test pin.

Schematic Diagram Notes

Indication for Zener Voltage of Zener Diodes
 The Zener Voltage of Zener Diodes are indicated as such on Schematic Diagrams.

Example:

(6.2V).....Zener Voltage

2. How to identify Connectors

Each connector is labeled with a Connector No. and Pin No. Indicating what it is connected to,

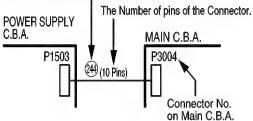
in other words, its counter part.

Use the interconnection schematic diagram to find the connection between associated connectors.

Example:

The connections between C.B.A.s are shown below.

Ref. No. of the connection parts such as lead cable, flexible cable which is supplied as a replacement parts.



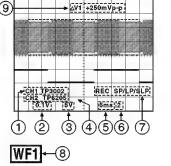
3. Parts marked "PT" are not used in any models included in this service model.

Example: $\begin{vmatrix} \overline{C6011} & \frac{1}{4} \\ 100P & \frac{1}{4} \end{vmatrix} = \frac{\overline{C60}}{\overline{C60}}$

4. Jumper wires are used for WA10, WA5 etc and these are not supplied as replacement parts.

Signal Waveform Note

How to read Signal Waveform



- 1 Connecting Point
- 2 Volts/Div
- 3 Volts/Div
- 4 Connecting Point
- 5 Time/Div
- 6 Trigger Channel of the scope (1:CH1,2:CH2)
- Operation Mode of VCR
- 8 Waveform Point on Schematic

Circuit Board Layout Note

Circuit Board Layout shows components installed for various models.

For proper parts content for the model you are servicing, please refer to the schematic diagram and parts list.

NOTE:

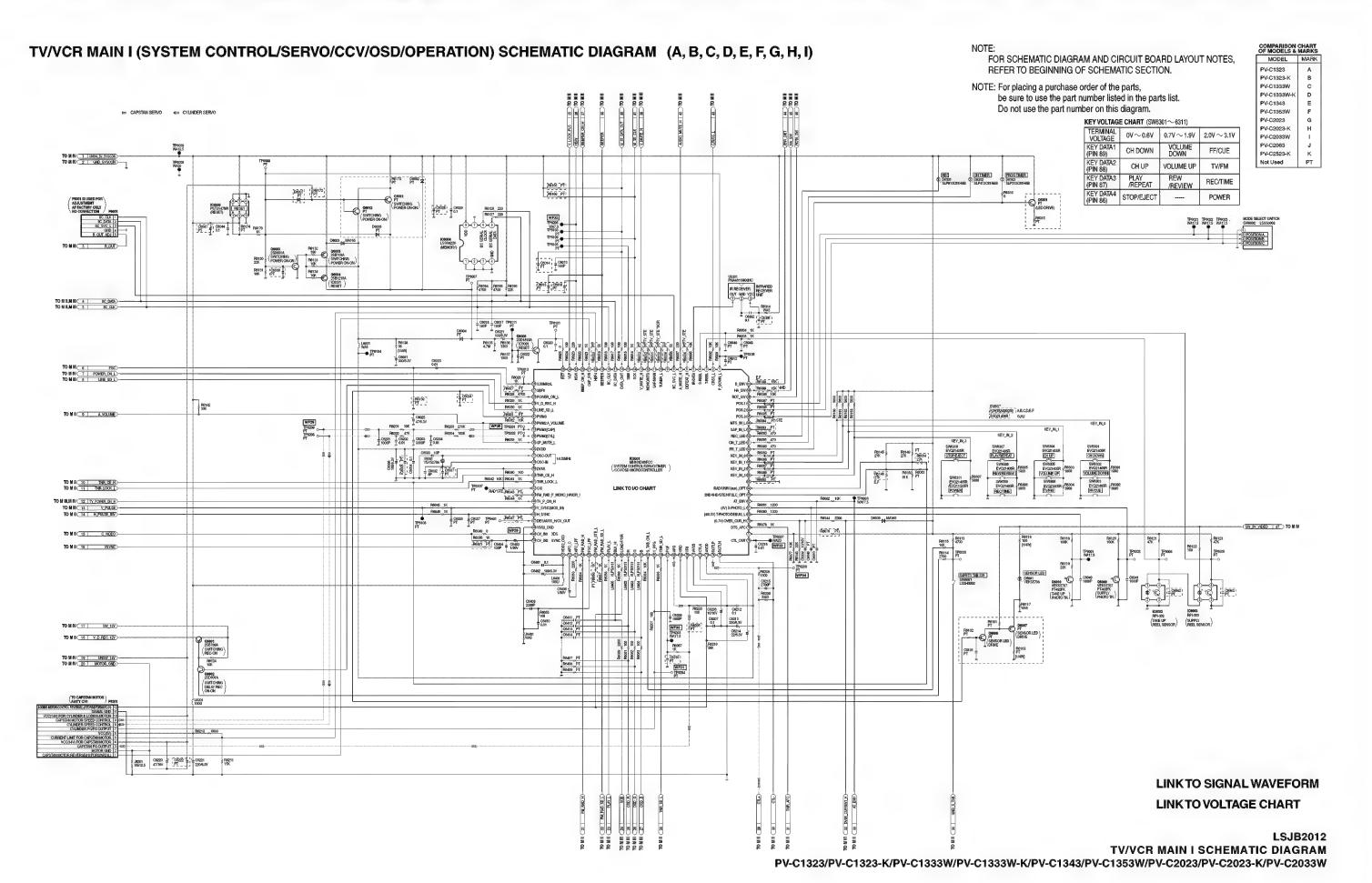
Circuit Board Layout includes components which are not used.

Model No. Identification Mark

MODEL	MARK
PV-C1323	Α
PV-C1323-K	В
PV-C1333W	С
PV-C1333W-K	D
PV-C1343	E
PV-C1353W	F
PV-C2023	G
PV-C2023-K	н
PV-C2033W	1
PV-C2063	J
PV-C2523-K	К
Not Used	PT

Note: Refer to item 3 of Schematic Diagram Notes for mark "PT".

3.2. TV/VCR MAIN SCHEMATIC DIAGRAM (Models: PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343/PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W)



I/O CHART OF IC6001

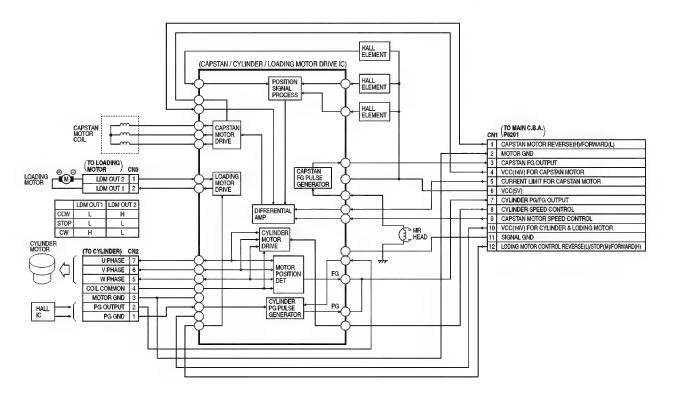
Pin No.	1/0	Signal Name	Description	Pin No.	1/0	Signal Name	Description
1	1	P_DOWN_L	POWER DOWN(L)	51	1	VDD2_OSD	VDD
2	0	CRSS_L	CUE/REV/SLOW/STILL(L)	52	1	AFC_C	AFC
3	1	T-REEL	TAKE-UP REEL PULSE	53	0	AFC_LPF	AFC
4	1	S-REEL	SUPPLY REEL PULSE	54		FM_RAD_H	FM RADIO(H)
5	1	IR-DATA	IR-DATA	55		FSC_LPF	FSC
6	0	DEFEAT_H	(Not used)	56	1	FM_RAD_STE_L	FM STEREO(L)
7	0	A_MUTE_H	AUDIO MUTE(H)	57	1	FM_RAD_SD_L	FM SIGNAL(L)
8	1	IIC_SVC_L	I2C SERVICE MODE(L)	58	0	PLAY_L	PB(L)
9	-	NC	(Not used)	59	0	BLK_H	BLANKING PULSE(H)
10	0	TUNER_L	(Not used)	60	0	LOAD-F/S/R	LOADING MOTOR CONTROL REVERSE(L)/STOP(M)/FORWARD(H)
11	0	SAP/MAIN	(Not used)	61	0	R	OSD RED
12	0	MONO/MTS	(Not used)	62	0	G	OSD GREEN
13	0	V_MUTE_H	(Not used)	63	0	В	OSD BLUE
14	0	SCK	SERIAL CLOCK	64	T	S_TAB_ON_L	SAFETY TAB ON(L)
15	1	SBIO	(Not used)	65	1	Y_PFG	CYL PG/FG
16	0	DATA_QUT	SERIAL DATA OUTPUT	66	1	TNR_SD_L	TUNER SIGNAL(L)
17	1/0	IIC_DATA	I2C SERIAL DATA	67	0	FGF	CAP FG
18	0	IIC_CLK	I2C SERIAL CLOCK	68	1	AFG	CAP FG
19	1/0	BEEPER	BEEPER	69	0	VRO	V-REF 1
20	-	NC	(Not used)	70	1	VRI	V-REF 2
21	O	CAP_F/R	CAPSTAN MOTOR REVERSE(H)/FORWARD(L)	71	-	AVSS	GND
22		BEEP_ON_H	BEEPER ON(H)	72	1	CTLA	CTL AMP
23	0	HSW	HEAD SW	73	1	AVDD	VDD
24	0	VLP	V-LOCK PULSE	74	1/0	RCTLP	CTL PULSE(+)
25	T	RST	RESET(L)	75	-	RCTLN	CTL PULSE(-)
26	0	3.58MHz/L	3.58MHz	76	0	CTL OUT	PB CONTROL PULSE
27	١-	NC	(Not used)	77	۱-	NC	(Not used)
28	0	POWER_ON_L	POWER ON(L)	78	1	DTS_AFC	AFC
29	0	V_D_REC_H	VIDEO DELAY REC(H)	79	1	OVER_CUR_H	OVER CURRENT(H)
30		LINE_SD_L	TV SIGNAL(L)	80	1	T-PHOTO/DEBUG_L	TAKE-UP PHOTO TR(L)/SERVICE(L)
31	-	NC	(Not used)	81	1	S-PHOTO_L	SUPPLY PHOTO TR(L)
32	0	A_VOLUME	AUDIO VOLUME	82	1	AT ENV	ENV-VOLTAGE
33	-	CAP	CAP ERROR	83	ī	2H/4H/STE/HF/2LC_OPT	SWITCHING TERMINAL OPTION (2HEAD/4HEAD/STEREO)
34	0	CYL	CYLERROR	84	Ю		SWITCHING TERMINAL OPTION (FM RADIO/UNIVERSAL)
35	-	SP_MUTE_L	AUDIO AMP MUTE(L)	85		NC	(Not used)
36	ı		VDD	86	1	KEY_IN_3	KEY DATA 3
37	0	OSC-OUT	OSC 2	87	Ť	KEY_IN_2	KEY DATA 2
38	1	OSC-IN	OSC 1	88	ı	KEY_IN_1	KEY DATA 1
39	-	DVSS	GND	89	i		KEY DATA 0
40	0	TNR_CE_H	TUNER CHIP ENABLE(H)	90	0	PR_T_LED	PROGRAM TIMER LED ON(L)
41		TNR LOCK L	TUNER LOCK SIGNAL(L)	91		ON T LED	ON TIMER LED ON(L)
42	Ī		SXI	92	÷	REC_LED	REC LED ON(L)
43	_	FM_RAD_F_MONO_H/NOR_I	(Not used)	93	Ť	SAP_IN_L	(Not used)
44	-	TV_P_ON_H	TV POWER ON(H)	94	i	MTS_IN_L	(Not used)
45		V SYNC	Y-SYNC	95	i	POS.3	MODE SW POSITION C
46	-	H_SYNC	H-SYNC	96	i	POS.2	MODE SW POSITION B
47	Ė	NC NC	(Not used)	97	t	POS.1	MODE SW POSITION A
48		VSS2_OSD	GND	98	<u> </u>	ROT_SW	ROTARY SW
49	ī	CV_IN1	VIDEO	99		HA_SW	HEAD AMP SW
50	<u> </u>	CV_IN2	VIDEO	100	H	D_ENV	ENVELOPE DET
- 50	٠.	04_842	TIDEO	100	1.	D_P144	CHITCHOI E DEI

NOTE

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

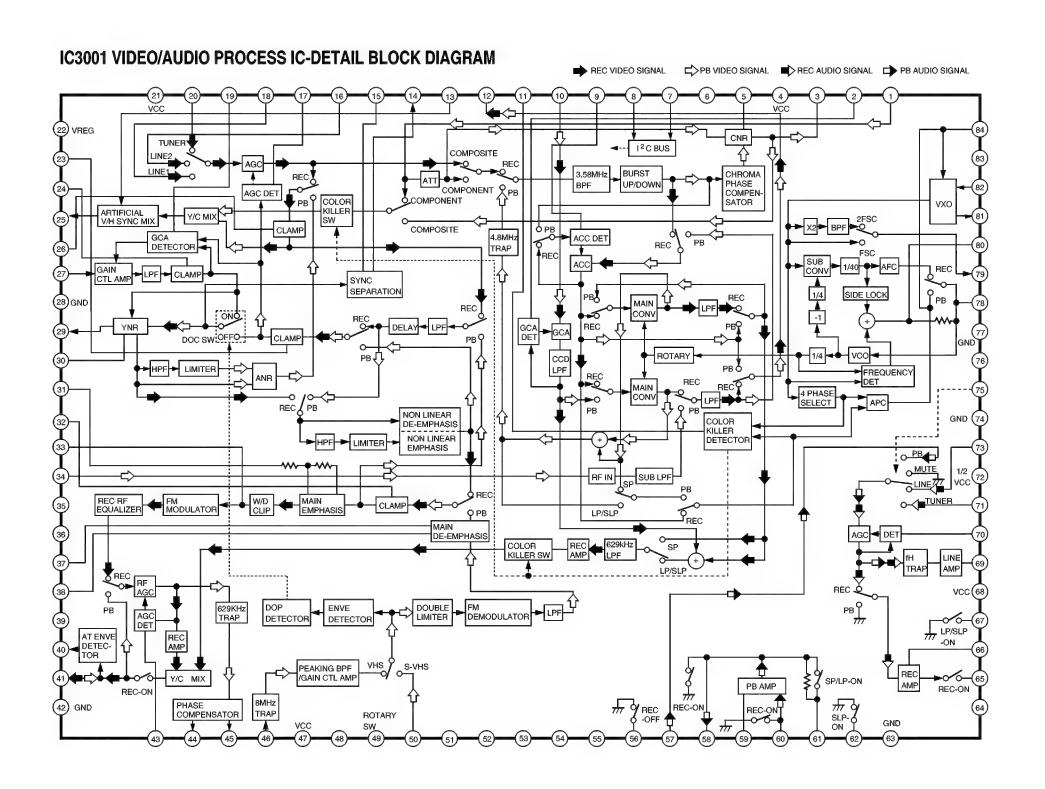
CAPSTAN MOTOR ASS'Y

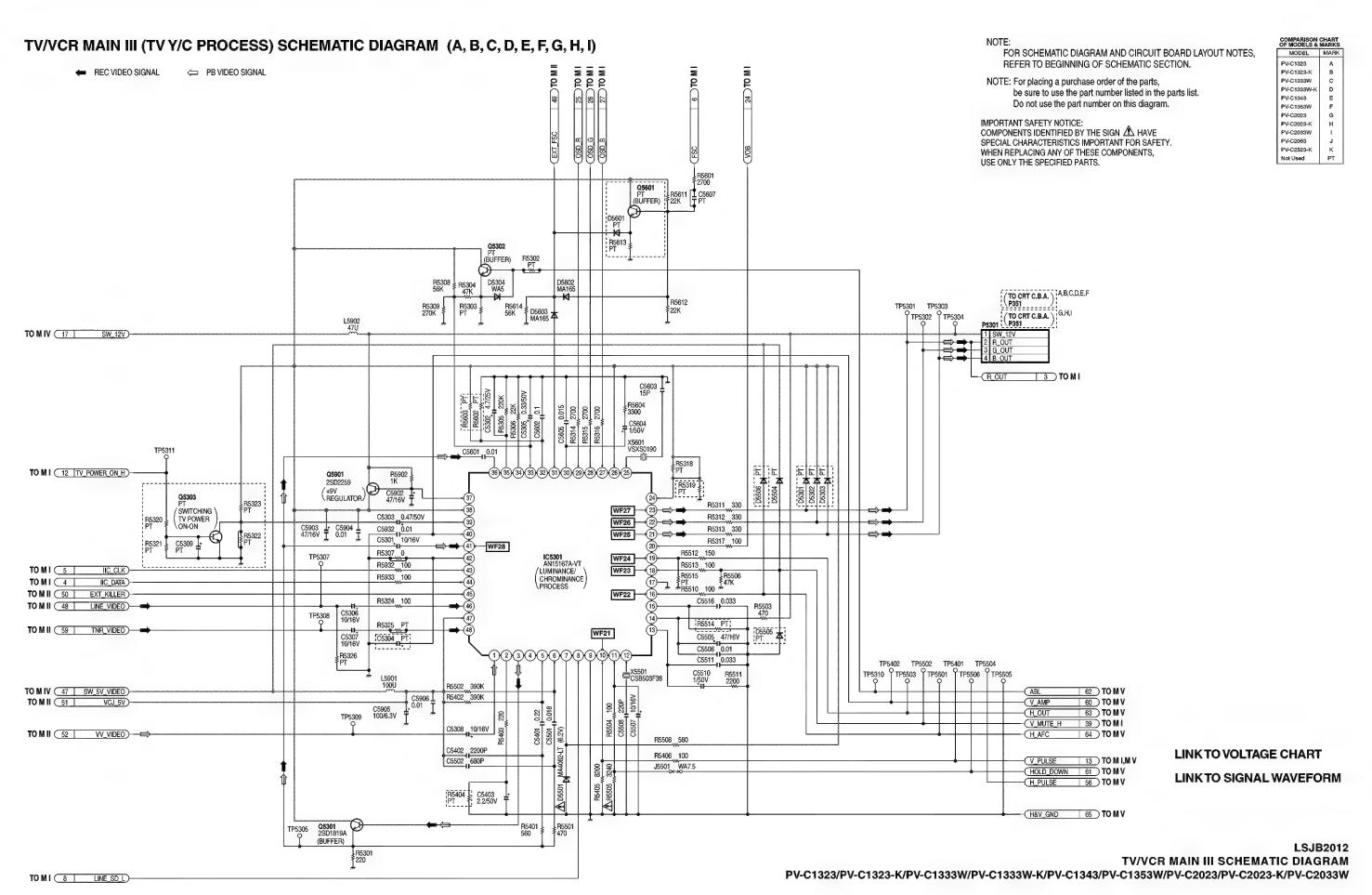
NOTE:
CAPSTAN MOTOR ASS'Y (REF. NO. 46) IS SUPPLIED AS A UNIT ONLY.
HOWEVER, THE FLAT FLEXIBLE CABLE (REF. NO. 48) IS AVAILABLE SEPARATELY AS A REPLACEMENT PART.



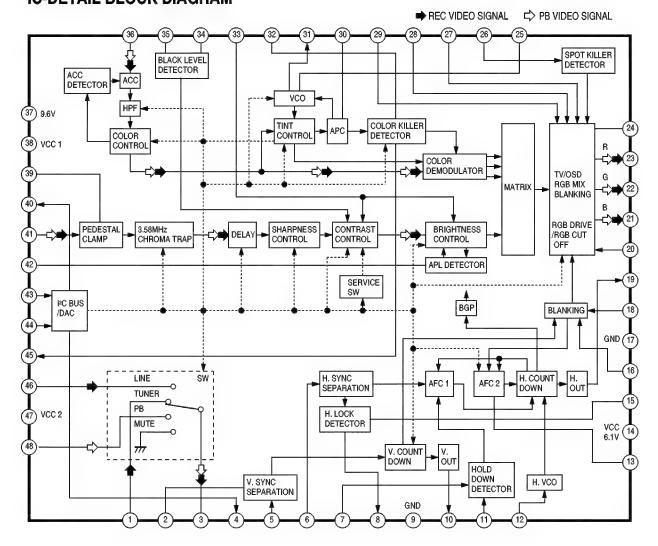
LSJB2012 I/O CHART OF IC6001

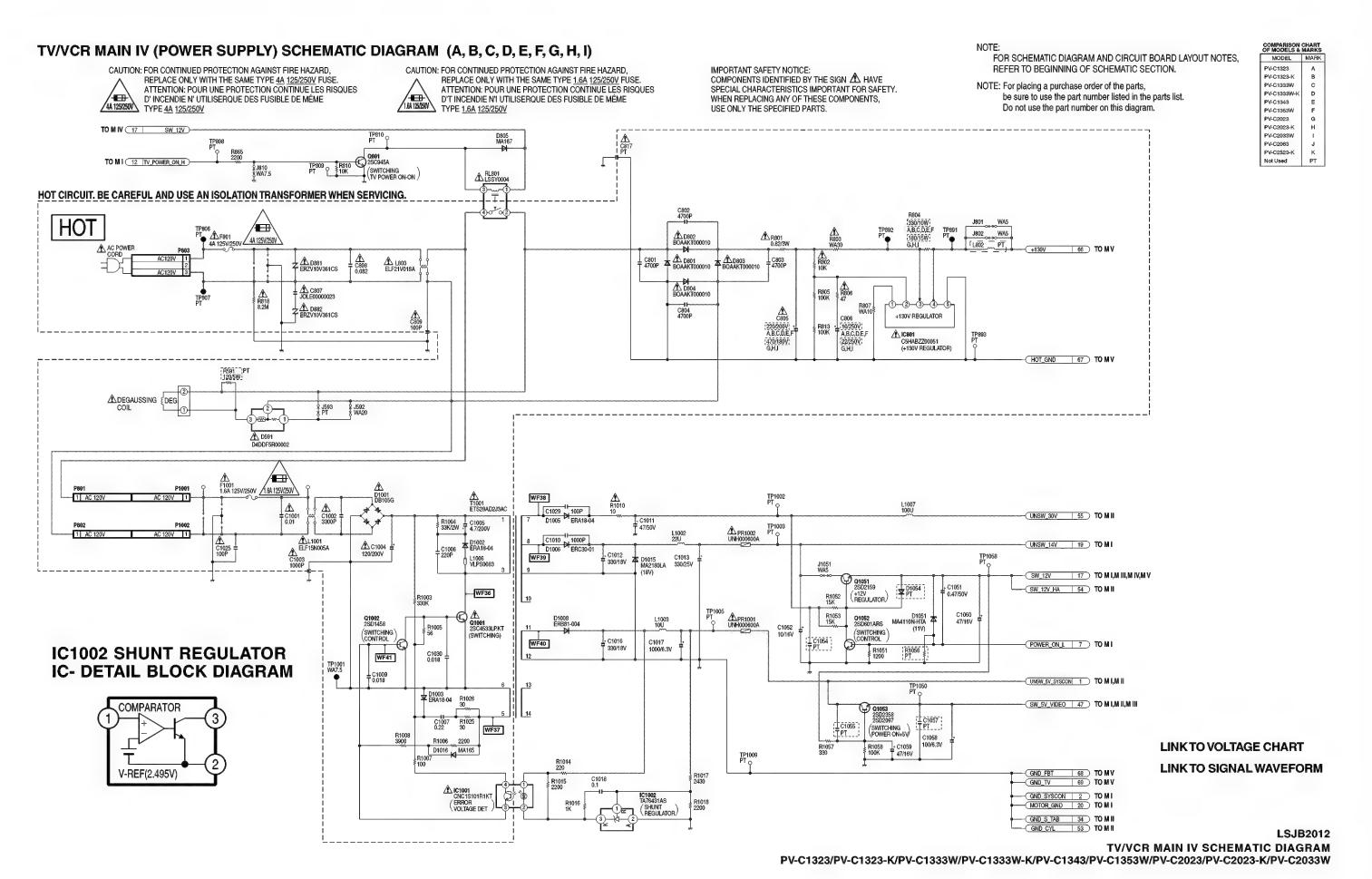
COMPARISON CHART OF MODELS & MARKS TV/VCR MAIN II (SIGNAL PROCESS/AUDIO/DEMODULATOR) SCHEMATIC DIAGRAM (A, B, C, D, E, F, G, H, I) FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES. REFER TO BEGINNING OF SCHEMATIC SECTION. PV-C1323 PV-C1323-K NOTE: For placing a purchase order of the parts, PV-C1333W PV-C1333W-K be sure to use the part number listed in the parts list. ■ REC AUDIO SIGNAL ← PB AUDIO SIGNAL PV-C1343 Do not use the part number on this diagram. PV-C1353W PV-C2023 PV-C2023-K IMPORTANT SAFETY NOTICE: COMPONENTS IDENTIFIED BY THE SIGN A HAVE PV-C2033W PV-C2063 SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. PV-C2523-K Not Used WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS. TO M | 35 | V LOCK PLS | TO M | 16 | VSYNC TO M I 15 C_VIDEO TO M III (51 VCJ_5V) WF15 TO M III 52 W_VIDEO TP4507 WA7.5 DC 16V 57 TO MV TO M I (33 | AT ENV) R4005 2.2M C9013 I 0.22 T GND AMP 58 TO MV C3022 I R3024 C3023 470 68P C3018 I C3024 TP3002 WF19 WA7.5 C3010 L3004 R3086 C3082 LINKTO VOLTAGE CHART TP3005 PT O LINKTO SIGNAL WAVEFORM LSJB2012 CONTRO HEAD AUDIO ERASE HEAD AUDIO HEAD TV/VCR MAIN II SCHEMATIC DIAGRAM PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W





IC5301 LUMINANCE/CHROMINANCE PROCESS IC-DETAIL BLOCK DIAGRAM





TV/VCR MAIN V (TV) SCHEMATIC DIAGRAM (A, B, C, D, E, F, G, H, I)

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

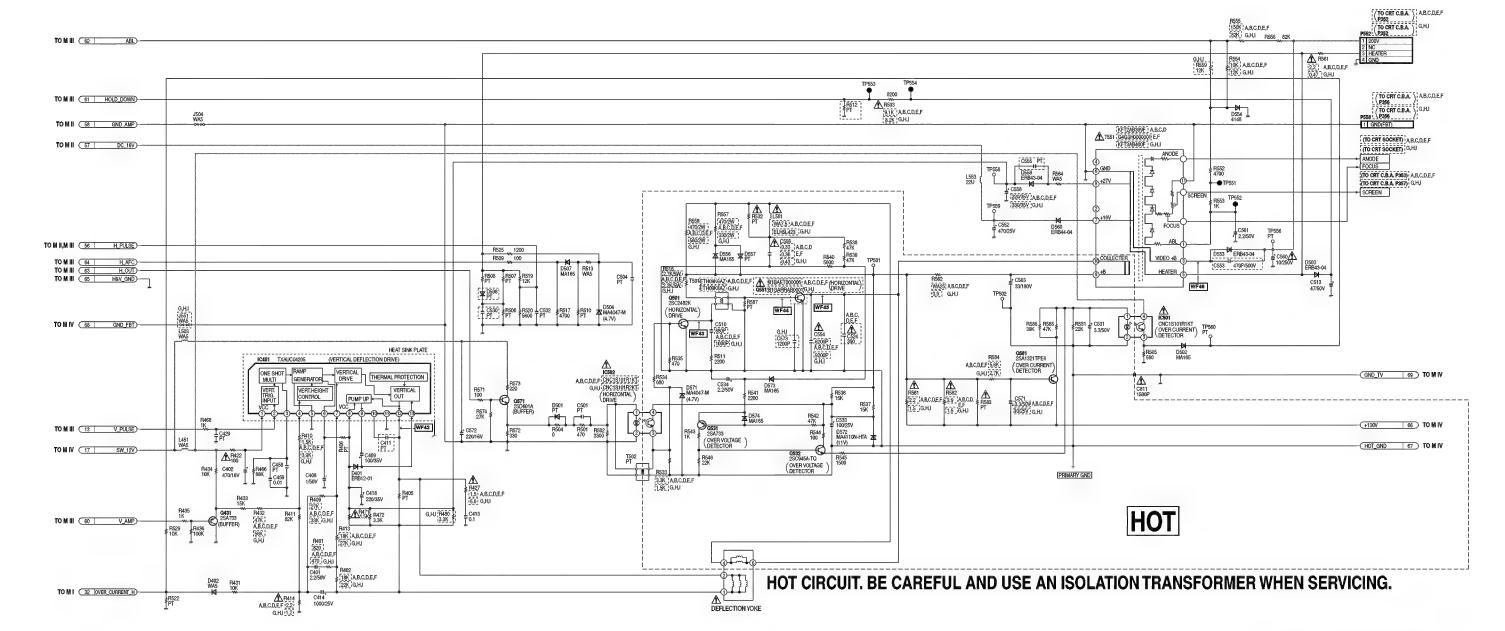
NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN A HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

COMPARISON CHART
OF MODELS & MARKS

MODEL | MARIK

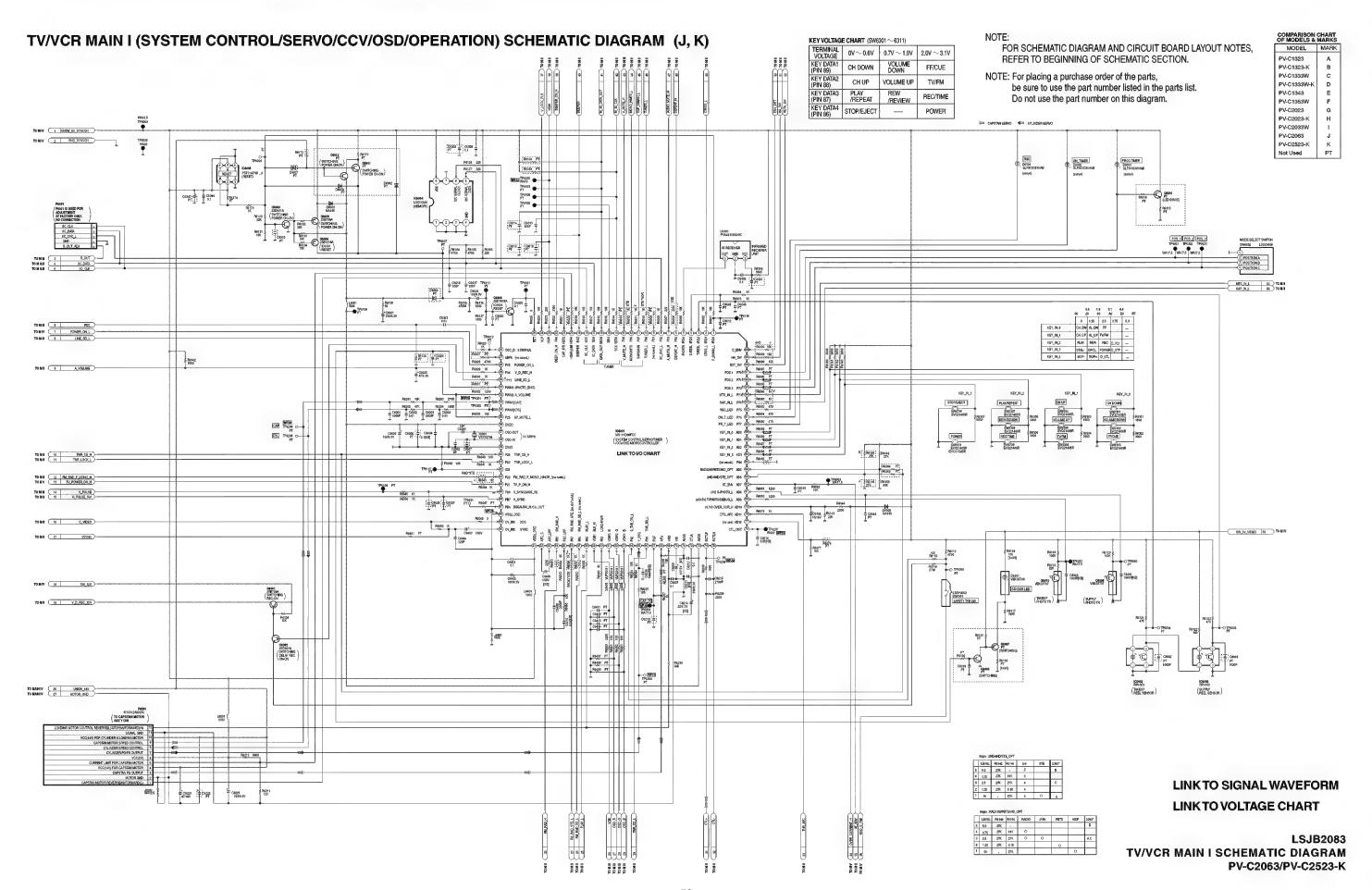
PV-C1323 | A
PV-C1323-K | B
PV-C1333W-C |
PV-C1333W-F |
PV-C1353W-F |
PV-C2023 | G
PV-C2023 | C
PV-C2033W |
PV-C2023-K |
PV-C2033W |
PV-C2033W |
PV-C2052-K |
Not Used | PT



LINKTO VOLTAGE CHART
LINKTO SIGNAL WAVEFORM

LSJB2012 TV/VCR MAIN V SCHEMATIC DIAGRAM PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343/PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W

8.3. TV/VCR MAIN SCHEMATIC DIAGRAM (Models: PV-C2063/PV-C2523-K)



I/O CHART OF IC6001

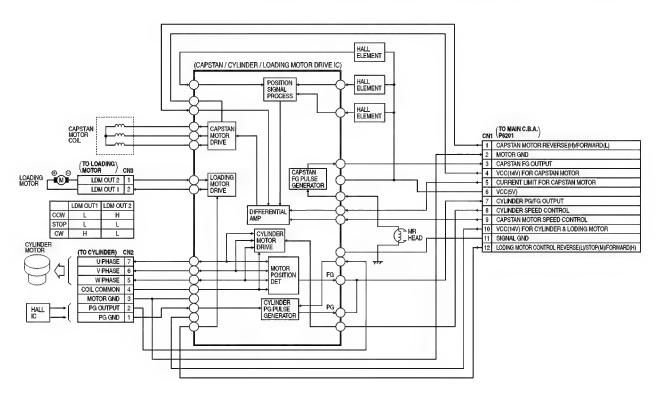
Pin No.	ľ0	Signal Name	Description	Pin No.	1/0	Signal Name	Description
1	1	P_DOWN_L	POWER DOWN(L)	51	1	VDD2_OSD	VDD
2	0	CRSS_L	CUE/REV/\$LOW/\$TILL(L)	52	1	AFC_C	AFC
3	1	T-REEL	TAKE-UP REEL PULSE	53	0	AFC_LPF	AFC
4	1	S-REEL	SUPPLY REEL PULSE	54	0	FM_RAD_H	FM RADIO(H)
5	i	IR-DATA	IR-DATA	55	0	FSC_LPF	FSC
6	0	DEFEAT_H	AUDIO DEFEAT(H)	56	1	FM_RAD_STE_L	FM STEREO(L)
7	0	A_MUTE_H	AUDIO MUTE(H)	57	1	FM_RAD_SD_L	FM SIGNAL(L)
8	1	IIC_\$VC_L	I2C SERVICE MODE(L)	58	0	PLAY_L	PB(L)
9	-	NC	(Not used)	59	0	BLK_H	BLANKING PULSE(H)
10	0	TUNER_L	TV TUNER(H)/FM TUNER(L)	60	0	LOAD-F/S/R	LOADING MOTOR CONTROL REVERSE(L)/STOP(M)/FORWARD(H)
11	0	SAP/MAIN	SAP(H)/MAIN(L)	61	0	R	OSD RED
12	0	MONO/MTS	MONO(H)/STEREO(L)	62	0	G	OSD GREEN
13	0	V_MUTE_H	(Not used)	63	0	В	OSD BLUE
14	0	SCK	SERIAL CLOCK	64	1	S_TAB_ON_L	SAFETY TAB ON(L)
15	1	SBIO	(Not used)	65	ı	Y_PFG	CYL PG/FG
16	O	DATA_OUT	SERIAL DATA OUTPUT	66	1	TNR_\$D_L	TUNER SIGNAL(L)
17	1/0	IIC_DATA	I2C SERIAL DATA	67	0	FGF	CAP FG
18	0	IIC_CLK	I2C SERIAL CLOCK	68	1	AFG	CAP FG
19	1/0	BEEPER	BEEPER	69	0	VRO	V-REF 1
20	-	NC	(Not used)	70	T	VRI	V-REF 2
21	Q	CAP_F/R	CAPSTAN MOTOR REVERSE(H)/FORWARD(L)	71	-	AVSS	GND
22	0	BEEP_ON_H	BEEPER ON(H)	72	1	CTLA	CTL AMP
23	0	HSW	HEAD SW	73	1	AVDD	VDD
24	0	VLP	V-LOCK PULSE	74	1/0	RCTLP	CTL PULSE(+)
25	Τ	RST	RESET(L)	75	-	RCTLN	CTL PULSE(-)
26	0	3.58MHz/L	3.58MHz	76	0	CTL OUT	PB CONTROL PULSE
27	-	NC	(Not used)	77	١-	NC	(Not used)
28	0	POWER_ON_L	POWER ON(L)	78	1	DTS_AFC	AFC
29	0	V_D_REC_H	VIDEO DELAY REC(H)	79	1	OVER_CUR_H	OVER CURRENT(H)
30	T	LINE_SD_L	TV SIGNAL(L)	80	1	T-PHOTO/DEBUG L	TAKE-UP PHOTO TR(L)/SERVICE(L)
31	-	NC	(Not used)	81	1	S-PHOTO_L	SUPPLY PHOTO TR(L)
32	0	A_VOLUME	AUDIO VOLUME	82	1	AT_ENV	ENV-VOLTAGE
33		CAP	CAP ERROR	83	ī	2H/4H/STE/HF/2LC_OPT	SWITCHING TERMINAL OPTION (2HEAD/4HEAD/STEREO)
34	0	CYL	CYL ERROR	84	О		SWITCHING TERMINAL OPTION (FM RADIO/UNIVERSAL)
35	О	SP_MUTE_L	AUDIO AMP MUTE(L)	85	-	NC	(Not used)
36	1	DVDD	VDD	86	1	KEY_IN_3	KEY DATA 3
37	0	OSC-OUT	OSC 2	87	1	KEY_IN_2	KEY DATA 2
38	1	OSC-IN	OSC 1	88	1		KEY DATA 1
39	-	DVSS	GND	89	T	KEY_IN_0	KEY DATA 0
40	0	TNR_CE_H	TUNER CHIP ENABLE(H)	90	-	PR_T_LED	PROGRAM TIMER LED ON(L)
41	1	TNR_LOCK_L	TUNER LOCK SIGNAL(L)	91		ON_T_LED	ON TIMER LED ON(L)
42	Ī	SXI	SXI	92	<u> </u>	REC_LED	REC LED ON(L)
	1/0	FM_RAD_F_MONO_H/NOR_I	FM MONO(H)	93	ī		SAP SIGNAL(L)
44	-	TV_P_ON_H	TV POWER ON(H)	94	i		MTS SIGNAL(L)
45		V SYNC	Y-SYNC	95	i	POS.3	MODE SW POSITION C
46	-	H SYNC	H-SYNC	96	i	POS.2	MODE SW POSITION B
47	H	NC :	(Not used)	97	i	POS.1	MODE SW POSITION A
48	Н	VSS2_OSD	GND	98	ö		ROTARY SW
49	H	CV IN1	VIDEO	99	ō	HA_SW	HEAD AMP SW
			·		ī	D_ENV	ENVELOPE DET

NOTE

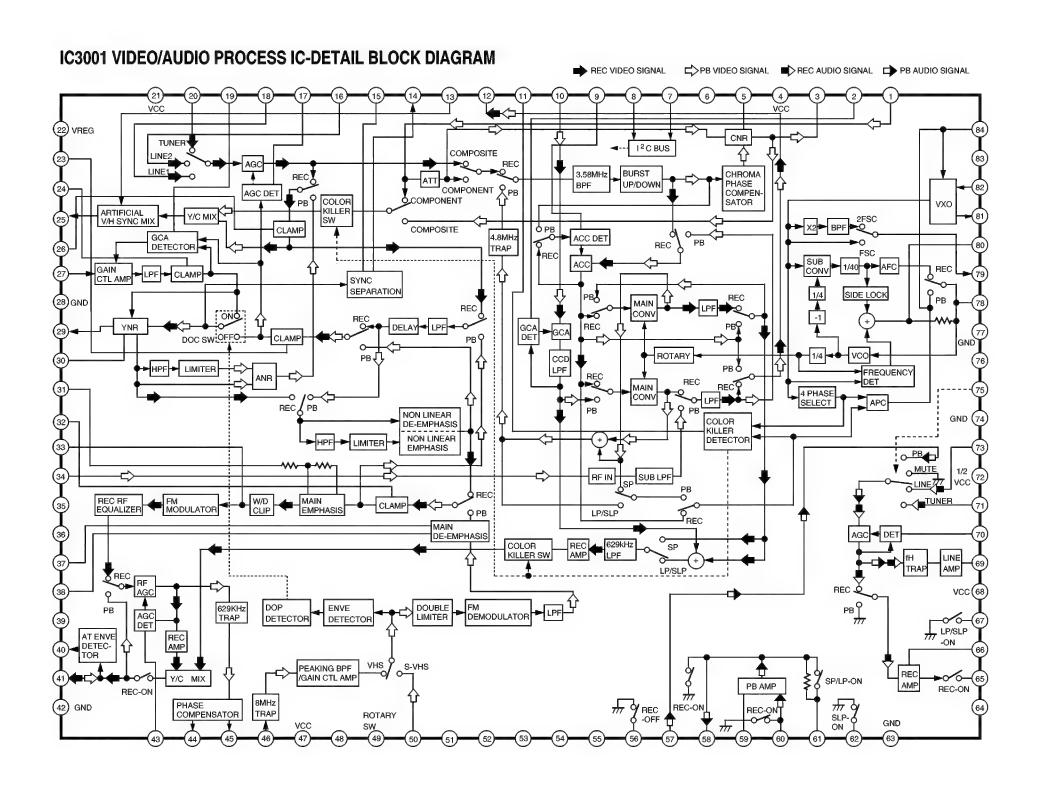
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

CAPSTAN MOTOR ASS'Y

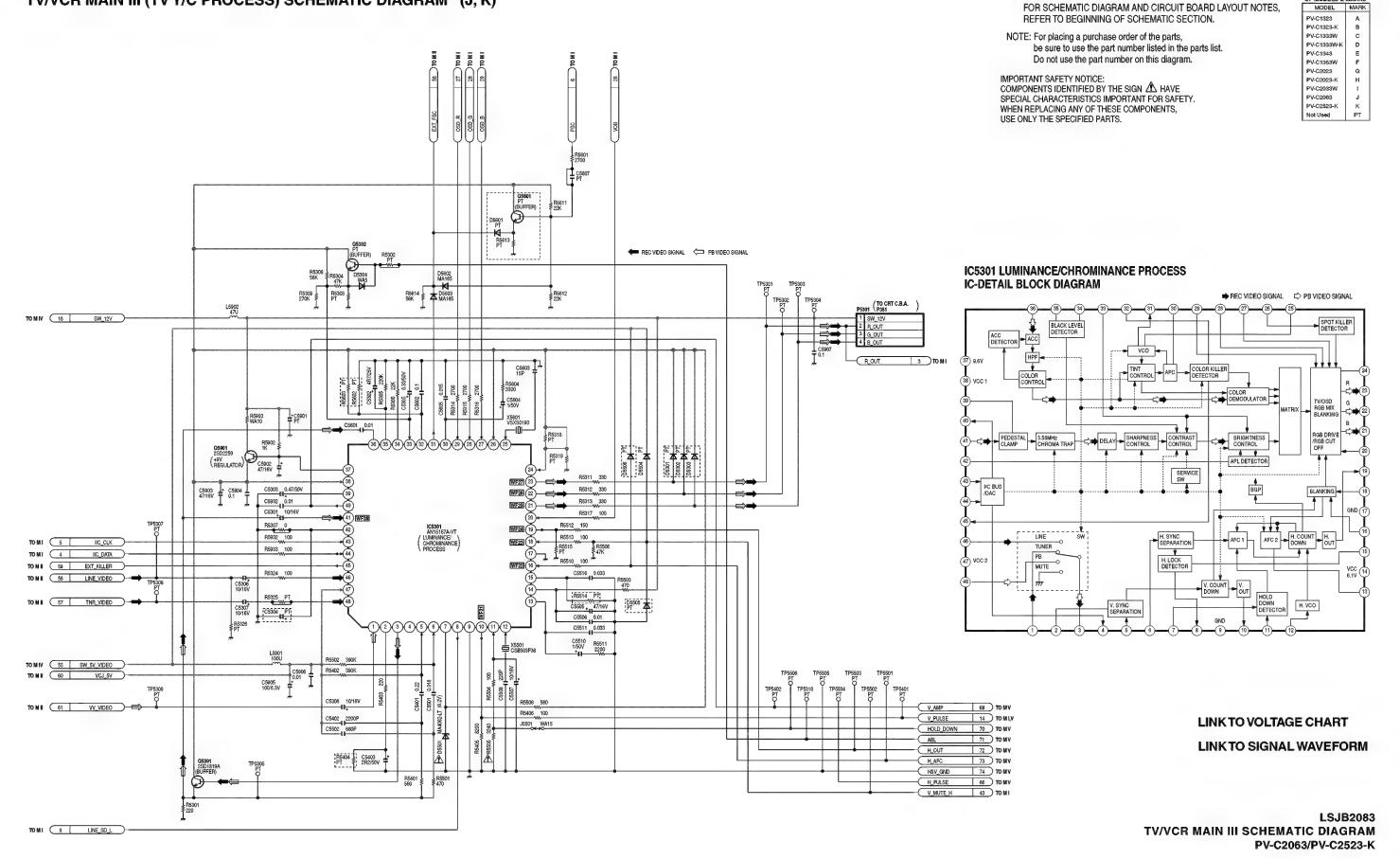
NOTE:
CAPSTAN MOTOR ASS'Y (REF. NO. 46) IS SUPPLIED AS A UNIT ONLY.
HOWEVER, THE FLAT FLEXIBLE CABLE (REF. NO. 48) IS AVAILABLE SEPARATELY AS A REPLACEMENT PART.



COMPARISON CHART OF MODELS & MARKS TV/VCR MAIN II (SIGNAL PROCESS/AUDIO/DEMODULATOR) SCHEMATIC DIAGRAM (J, K) FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES. REFER TO BEGINNING OF SCHEMATIC SECTION. PV-C1323 PV-C1323-K NOTE: For placing a purchase order of the parts, PV-C1333W PV-C1333W-F be sure to use the part number listed in the parts list. PV-C1343 Do not use the part number on this diagram. PV-C1353W PV-C2023 IMPORTANT SAFETY NOTICE: COMPONENTS IDENTIFIED BY THE SIGN A HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SPECIFIED PARTS. PV-C2023-K PV-C2033W PV-C2063 PV-C2523-K groce PT J7001 S WAS S Not Used \$ 34001 \$ WAS R3045 2200 -C9650 2R050V 1 20042 Page ≨ R3046 PT FMURAD_H 22 TOWN TUNERUL 46 TOWN SECOND MARKET PT C\$502 R6002 350W ClC04 -0.01 R8003 ClC05 220 2275.3W 3 × 3 + 3 LINK TO VOLTAGE CHART LINK TO SIGNAL WAVEFORM H_PULSE_INV 15 TO NO | C3000 | C3000 | FT | C3000 | CONTROL HEAD NATIO NATIO LSJB2083



TV/VCR MAIN III (TV Y/C PROCESS) SCHEMATIC DIAGRAM (J, K)



COMPARISON CHART OF MODELS & MARKS



CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 4A 125/250V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES
D'INCENDIE N' UTILISERQUE DES FUSIBLE DE MÉME
TYPE 4A 125/250V

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 1.6A 125/250V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES
D'T INCENDIE N'I UTILISERQUE DES FUSIBLE DE MÉME
TYPE 1.6A 125/250V

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN A HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

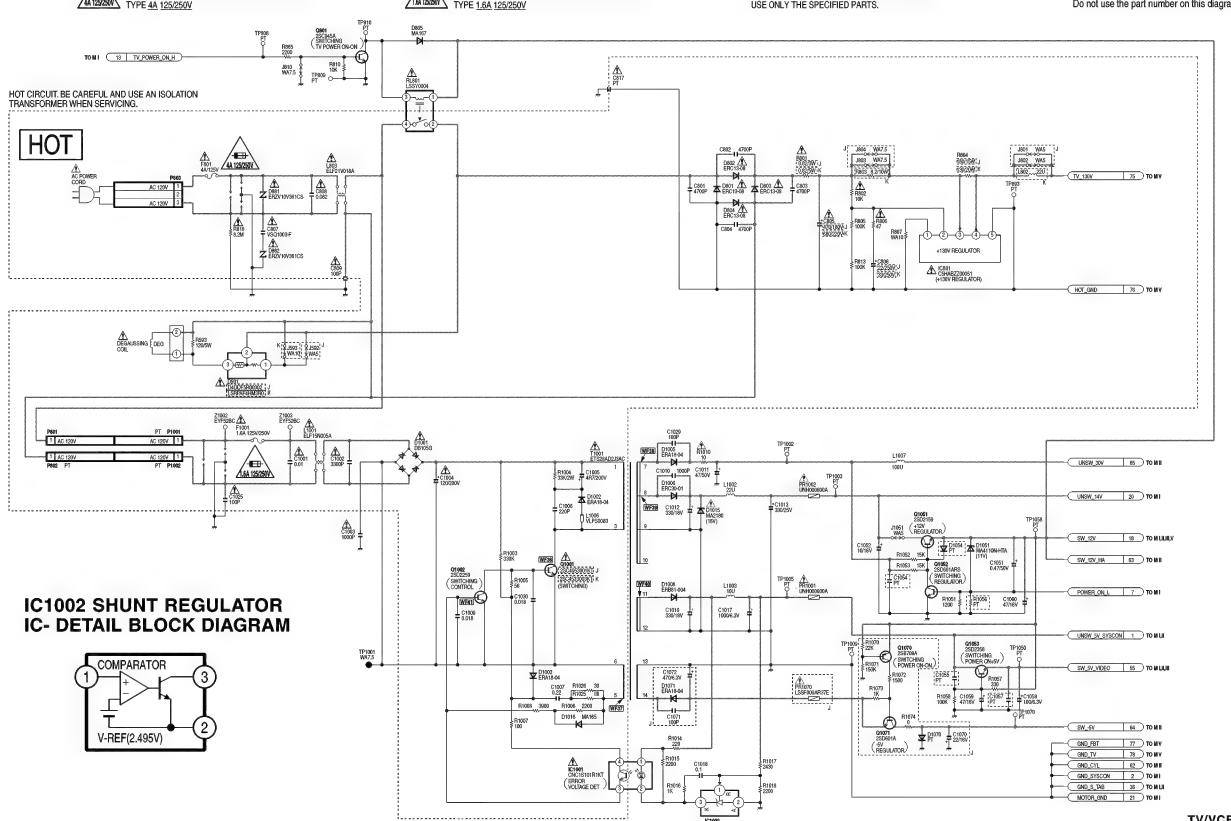
IOTE:

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram. COMPARISON CHART
OF MODELS & MARK

PV-C1323 A
PV-C1323-K
B
PV-C1323W-K
D
PV-C1333W-K
D
PV-C1333W-F
PV-C2023 G
PV-C2023-K
PV-C2033W
I

Not Used



LINKTO VOLTAGE CHART
LINKTO SIGNAL WAVEFORM

LSJB2083 TV/VCR MAIN IV SCHEMATIC DIAGRAM PV-C2063/PV-C2523-K

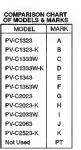
TV/VCR MAIN V (TV) SCHEMATIC DIAGRAM (J, K)

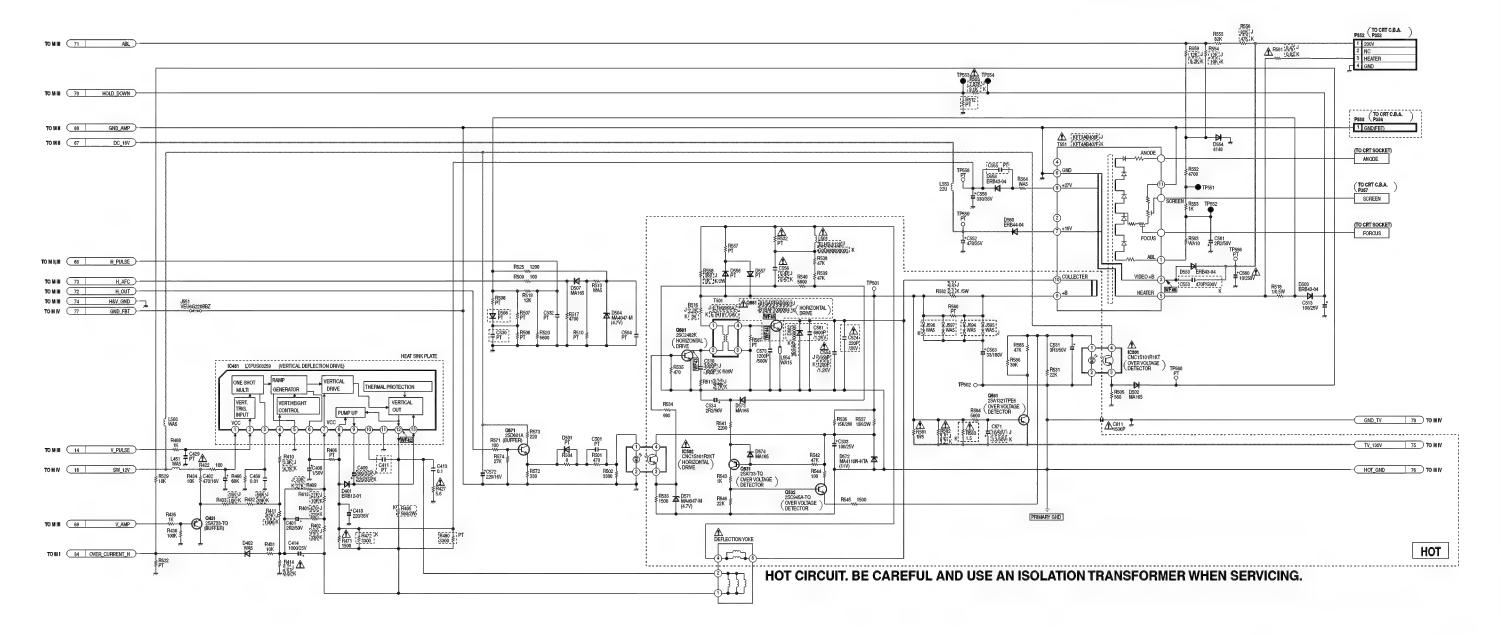
NOTE:

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN A HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.





LINKTO VOLTAGE CHART
LINKTO SIGNAL WAVEFORM

LSJB2083 TV/VCR MAIN V SCHEMATIC DIAGRAM PV-C2063/PV-C2523-K

8.4. HEAD AMP SCHEMATIC DIAGRAM (Models: PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2523-K)

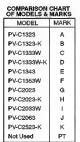
HEAD AMP SCHEMATIC DIAGRAM (A, B, C, D, G, H, I, K)

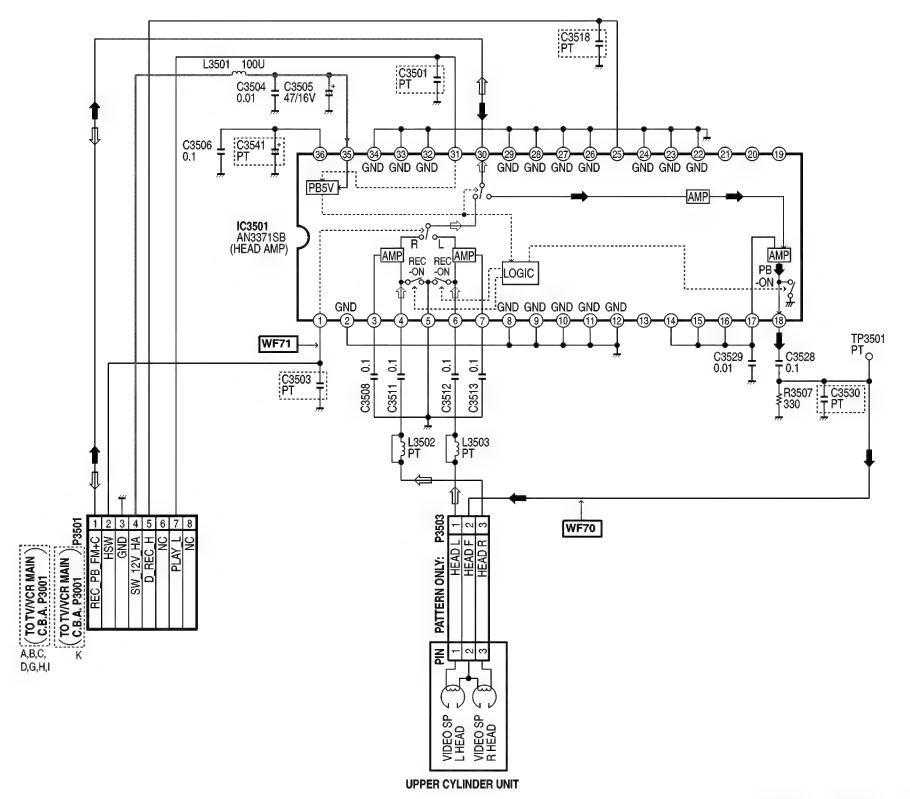
REC VIDEO SIGNAL

← PB VIDEO SIGNAL

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.





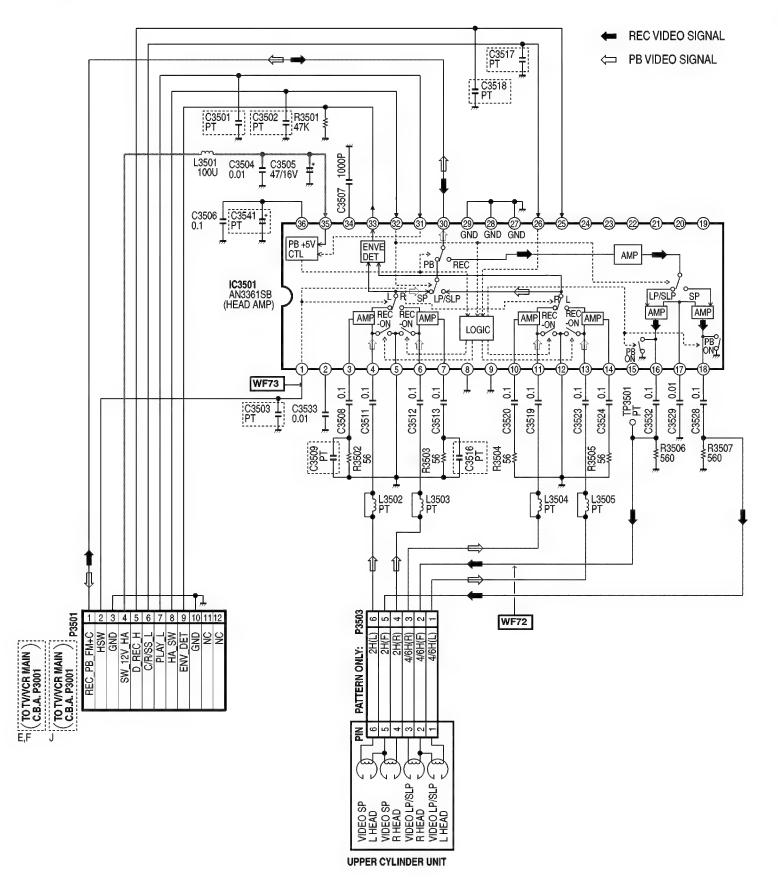
LINKTO VOLTAGE CHART
LINKTO SIGNAL WAVEFORM

LSJB2008

PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2523-K
HEAD AMP SCHEMATIC DIAGRAM

8.5. HEAD AMP SCHEMATIC DIAGRAM (Models: PV-C1343/PV-C1353W/PV-C2063)

HEAD AMP SCHEMATIC DIAGRAM (E, F, J)



NOTE

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARKS				
MODEL	MARK			
PV-C1323	A			
PV-C1323-K	В			
PV-C1333W	c			
PV-C1333W-K	D			
PV-C1343	E			
PV-C1353W	F			
PV-C2023	G			
PV-C2023-K	н			
PV-C2033W	1			
PV-C2063	J			
PV-C2523-K	к			
Not Used	PT			

LINKTO VOLTAGE CHART
LINKTO SIGNAL WAVEFORM

LSJB2009 PV-C1343/PV-C1353W/PV-C2063 HEAD AMP SCHEMATIC DIAGRAM

8.6. CRT SCHEMATIC DIAGRAM (Models: PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343/PV-C1353W)

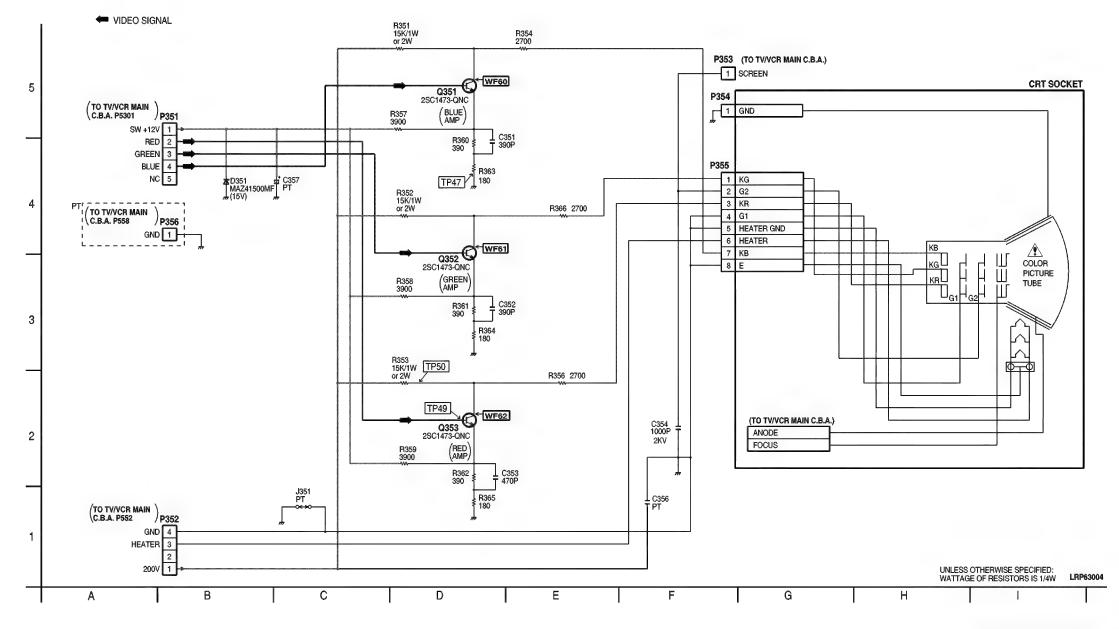
CRT SCHEMATIC DIAGRAM (A, B, C, D, E, F)

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN ⚠ HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

IOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE: For placing a purchase order of the parts, be sure to use the part number listed in the parts list. Do not use the part number on this diagram.

OF MODELS &	MARKS
MODEL	MARK
PV-C1323	A
PV-C1323-K	В
PV-C1333W	c
PV-C1333W-K	D
PV-C1343	E
PV-C1353W	F
PV-C2023	G
PV-C2023-K	н
PV-C2033W	
PV-C2063	J
PV-C2523-K	K
Not Used	PT



LINK TO VOLTAGE CHART
LINK TO SIGNAL WAVEFORM

PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343/PV-C1353W

CRT SCHEMATIC DIAGRAM

8.7. CRT SCHEMATIC DIAGRAM (Models: PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K)

CRT SCHEMATIC DIAGRAM (G, H, I, J, K)

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN A HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

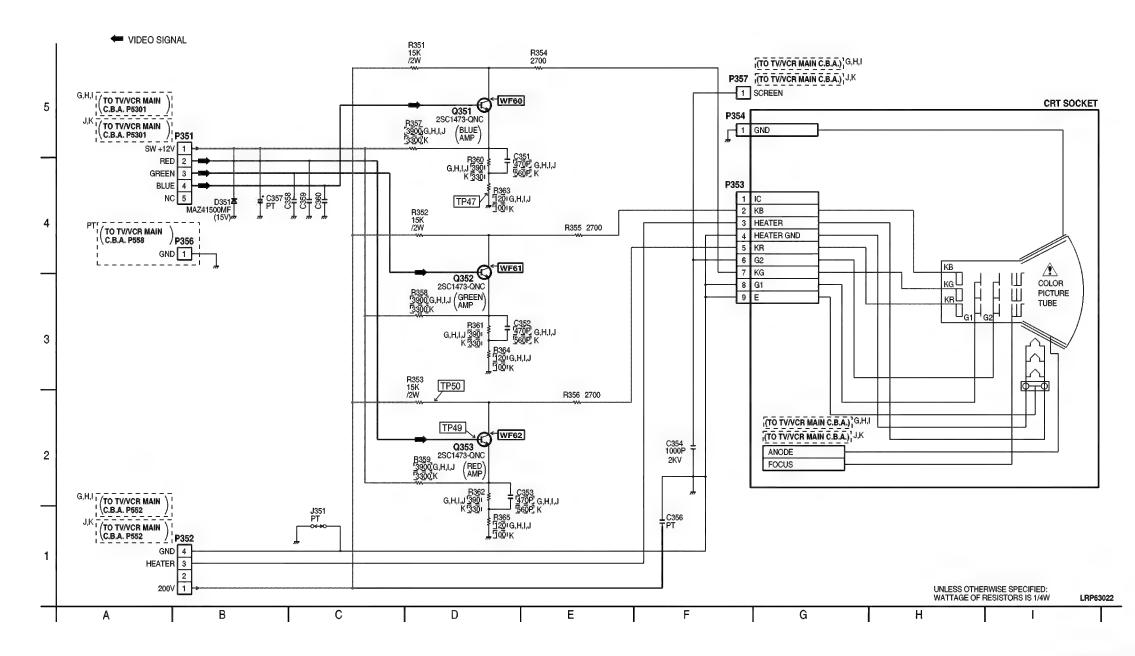
NOTE: For placing a purchase order of the parts,

be sure to use the part number listed in the parts list.

Do not use the part number on this diagram.

COMPARISON CHART OF MODELS & MARK PV-C1323 A PV-C1323-K B PV-C1323-K C PV-C1333W-K D PV-C1343 E PV-C1363W F PV-C2023 G PV-C2023-K H PV-C2033W I PV-C2083 J PV-C2083 J PV-C2083-K K PV-C2083 L PV-C2083 F PV-C2083 J PV-C2083

Not Used



LINKTO VOLTAGE CHART LINKTO SIGNAL WAVEFORM

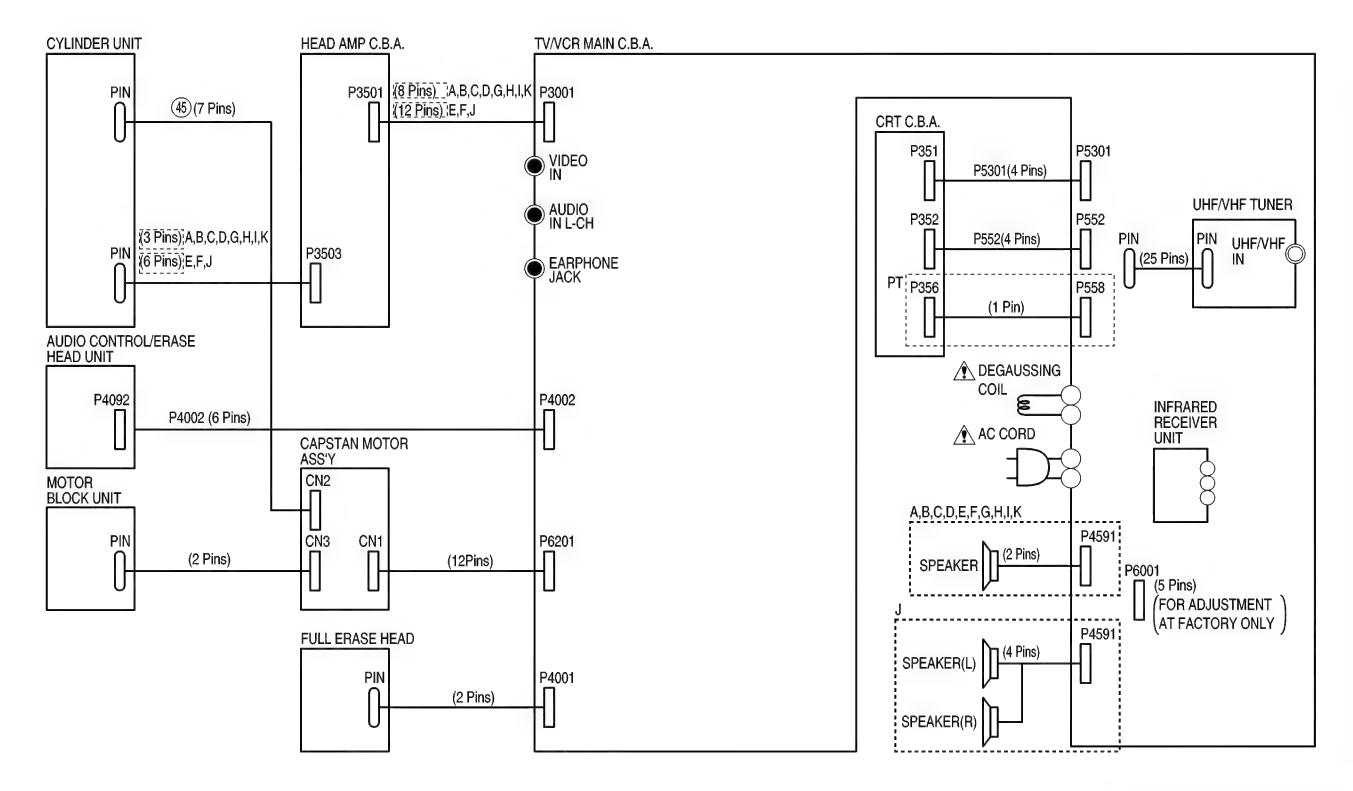
PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K
CRT SCHEMATIC DIAGRAM

8.8. INTERCONNECTION SCHEMATIC DIAGRAM

INTERCONNECTION SCHEMATIC DIAGRAM

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN A HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.



8.9. VOLTAGE CHART

NOTE

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

TV/VCR MAIN C.B.A. (POWER SUPPLY/VIDEO/AUDIO SECTION)

TV/VC	HIVIA	IIIV C	.B.A. (PUVV		<u> </u>	די
MODE PINNO.	STOP		MODE PIN NO.	STOP		P	NK NK
IC451		1	16	3.1	1		_
1	11.4	İ	17	2.3	1	T	_
2	4.0	İ	18		1	T	_
3	5.7	İ	19	2.6	İ	T	_
4	5.8	İ	20	3.1	1		٠.
5	0	1	21	5.0	1	T	٠.
6	5.4	İ	22	2.0	1	T	
7	5.8	İ	23	2.6	1	ı	
8	23.8	1	24	2.3	1	F	
9	1.4	İ	25	2.0	İ		
10	1.6		26	2.5		t	-
11	0		27	2.0	i	F	
12	12.6	i	28	0	1	H	
13	24.2	İ	29	1.9	1	H	_
IC501	dam 1 + Aus	l	30	1.8	1	1	C
1	0	1	31	2.0	1	F	~
2	0	ł	32	2.4	ł	H	_
3	0	ł	33	2.0	ł	H	-
4	12.0	1	34	2.8		╁	_
IC502	12.0		35	2.0	ł	H	_
1	0	1	36	2.5		\vdash	_
		ł				\perp	_
2	0.5 2.1	ł	37	0.1		\vdash	_
3		ł	38	4.1	ł	-	C.
IC801	11.8	l	39	2.3	ł	+	<u></u>
	_		40	3.5 2.8		H	
1	0	-	41		ł	\vdash	_
2	131.8	ł	42	0	ł	H	_
3	170.3		43	3.4	ł	⊢	_
4	130.3		44	2.6	ł	\vdash	_
5 IC1001	0	1	45	2.6	ł	⊦	_
	5.0	ł	46	2.6	ł	⊦	_
1	5.3	ł	47	5.0	ł	\vdash	_
2	4.4		48			H	
3	0.7		49	0.1	-	-	_
4	2.0		50			1	C
IC1002	0.5		51	5.0		⊢	
1	2.5		52	2.5	ł	⊢	
2	0		53	2.5		\vdash	_
3	4.1		54	1.8	1	\vdash	
IC3001	F.0	1	55	2.1	1	\vdash	_
1	5.0		56	4.5	ł	\vdash	_
2	3.4		57	2.6	ł	⊢	_
3			58	2.7	ł	\vdash	_
4	5.0	-	59	2.6	ł	⊢	_
5	2.7	-	60	2.6	-	Į.	_
6			61	2.6		16	C
7	5.2		62	0	ł	\vdash	
8	5.3	ł	63	0	l	\vdash	
9	2.2	-	64			\vdash	
10	2.8	ł	65	2.6	ł	\vdash	_
11	0.4		66	2.7	ł	\vdash	_
12	2.8		67	2.7		\perp	
13	0		68	5.0	-	H	_
14	0.4		69	2.7	ł	-	_
15	1.7	l	70	2.2	J	L	

ODE INO.\	STOP		MODE PIN NO.	STOP
71	2.6		10	4.0
72			11	5.2
	2.6			
73	2.6		12	2.4
74	0		13	4.2
75	0		14	6.2
76	3.2		15	4.4
77	0		16	0.7
78	2.2		17	0
79	3.0		18	0.3
80	2.2		19	2.1
81	2.6		20	0
82	2.8		21	3.6
83	2.6		22	3.4
84	3.8		23	3.6
	3.0	-		
3201	0.0		24	9.1
1	2.8		25	3.8
2	5.0		26	9.0
3	0		27	0
4	2.9		28	0
5	3.0		29	0
6	-2.6		30	5.8
7	2.2		31	6.2
8	2.9		32	3.6
4501			33	6.6
1			34	8.1
	^			
2	0		35	5.2
3	6.4		36	4.3
4	0		37	9.7
5	1.9		38	9.0
6	5.9		39	2.1
7	5.9		40	2.8
8	0		41	2.4
9	6.0		42	0
10	12.6		43	5.2
4511	(J)		44	5.3
1			45	0.4
2	0		46	2.7
			47	
3	6.4			5.0
4	0		48	0.3
5	1.9		IC9001	(J)
6	5.9		1	
7	5.9		2	1.3
8	0		3	2.5
9	6.0		4	1.3
10	12.6		5	0.5
5301			6	0.5
1	2.7		7	
2	3.0		8	
3			9	04
	3.8			0.1
4			10	5.0
5	2.1		11	0.1
6	2.2		12	
	0.4		_13	1.3
7	6.1			
7 8	0.4		14	1.3

)			
MODE PIN NO.	STOP	MODE PIN NO	
16		В	11.4
17	0.5	Q53	
18	0.5	E	0
		—	11.9
19	5.0	C	
20		В	0
21	4.2	Q55	
22	1.3	E	0
23	1.3	C	
24	5.0	В	0
25	0	Q57	1
26		E	1.5
27	0.1	С	10.7
28	0.5	В	2.1
29	4.2	Q58	
30	4.2	E	130.0
	7.2		0
31		C	
32	2.6	В	130.5
IC9201		Q80	
1	3.1	E	0
2	3.8	С	12.0
3	5.2	В	0.8
4	4.4	Q100)1
5	0	E	0
6	5.2	С	176.3
7	4.5	В	0.3
8	2.8	Q100	_
	2.8	E	
9			0
IC9301	(J)	<u> </u>	0.3
1	0	В	0.7
2	0	Q105	
3	0	E	12.0
4	0	С	14.0
5	0	В	11.3
6	0	Q105	2
7	-5.7	E	0
8	0	С	11.3
9	0	В	0.6
10	0	Q105	
11	0	E	5.0
12			
	0	C	5.0
13	0	В	6.0
14	0		'0(J,K)
15	0	E	11.9
16	5.2	С	11.9
Q431		В	11.3
E	3.3	Q107	′1(J,K)
С	0	Е	-28.8
В	2.7	C	-28.6
Q501		В	-28.1
	0	Q300	
E	76.0		
C	76.0	E	1.7
В	0.5	C	0
Q531		В	1.0
		1 0000	
E C	11.6 0	Q300	1.8

MODE STOP PINNO. PINNO					_		
Pinno Pinn	/WODE	STOP	MODE	STOP		\MODE	STOP
C 5.0 B 2.5 TP501 130.6 TP5502 0.7 TP5502 0.1 TP5503 2.1 TP5503 2.1 TP5503 2.1 TP5503 2.1 TP5503 2.1 TP5503 2.1 TP5503 2.1 TP5503 3.3 TP5504 19.5 TP5506 5.3 TP5508 1.0							
B 2.5 TP502		5.0		120.6			0.7
C							
E 0		2.0	i	+			
C 4.3 TP563 5.3 TP5506 0 B -0.3 TP564 19.5 TP5506 5.3 C 5.1 TP558 24.2 C 5.3 C 5.1 TP588 24.2 C 6.3 Q4002 TP806 120.0			· -	+			
B -0.3 TP554 19.5 TP5506 5.3			l ———	_			
TP556 200.0 TP558 24.2 TP558 24.2 TP558 24.2 TP558 24.2 TP558 24.2 TP558 24.2 TP558 24.2 TP558 16.0 TP806 120.0 TP807 120.0 TP807 120.0 TP809 0 TP809 0 TP809 0 TP809 0 TP809 12.0 TP809 0 TP809 12.0 TP809 0 TP809 0 TP809 12.0 TP809 0 TP809 12.0 TP809 0 TP809 0 TP809 0 TP809 0 TP809 0 TP809 0 TP809 0 TP809 0 TP809 0 TP809 0 TP809 0 TP809 0 TP809 0 TP1001 0 TP1002 30.0 TP1003 14.0 TP1005 5.0 TP1009 5.0 TP1009 0 TP10			t 				
E 5.0 C 5.1 B 4.5 C 5.1 FP559 16.0 FP807 120.0 FR908 3.5 C 0 TP808 3.5 C 0 TP809 0 FP810 12.0 FP891 130.0 FP892 120.0 FP892 120.0 FP893 0 FP1001 0 FP893 0 FP1001 0 FP893 0 FP1003 14.0 FP1002 30.0 FP1003 14.0 FP1005 5.0 FP1008 12.0 FP1009 0 FP1009		-0.3	t 			TP5506	5.3
C 5.1 TP559 16.0 B 4.5 TP806 120.0 E 0 TP807 120.0 E 0 TP809 0 B 0.8 TP810 12.0 Q4003 TP891 130.0 E 0 TP893 0 B 0.8 TP1001 0 Q4101 TP1002 30.0 E 0 TP1003 14.0 C 0.2 TP1003 14.0 D TP1003 14.0 0 C 0.2 TP1009 0 G4171 TP1050 5.0 0 E 0.1 TP1050 5.0 TP1050 5.0 TP1050 5.0 TP1050 5.0 TP1050 5.0 TP3001 1.7 TP3002 2.5 Q5301 TP3002 2.5 TP3003 3.4 TP3006 2.5 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
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Q4002 TP807 120.0 E 0 TP808 3.5 C 0 TP809 0 B 0.8 TP810 12.0 Q4003 TP891 130.0 E 0 TP893 0 C 0 TP893 0 G 0 TP1001 0 Q4101 TP1002 30.0 E 0 TP1003 14.0 C 0.2 TP1005 5.0 B 0.2 TP1009 0 Q4171 TP1050 5.0 E 0.1 TP1058 12.0 C 0 TP3001 1.7 B 0.1 TP3001 2.5 Q5301 TP3002 2.5 C 9.1 TP3003 3.4 E 9.1 TP3004 2.0 C 12.0 TP3009 2.4 TP3001 3.0 TP300	С	5.1	· -	_			
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Q4003 TP891 130.0 E 0 TP892 120.0 C 0 TP893 0 B 0.8 TP1001 0 C4101 TP1002 30.0 TP1003 14.0 C 0.2 TP1005 5.0 B 0.2 TP1009 0 Q4171 TP1050 5.0 E 0.1 TP1058 12.0 C 0 TP3001 1.7 B 0.1 TP3001 1.7 B 0.1 TP3001 2.5 Q5301 TP3003 3.4 TP3003 3.4 E 3.2 TP3004 2.0 C 9.1 TP3005 0.1 B 3.8 TP3005 0.1 B 3.8 TP3007 2.4 E 9.1 TP3007 2.4 E 9.1 TP3007 2.4 E 9.1 TP3009 0 B 9.7 TP3010 3.0 Q9001 (J) TP4002 0 TP4002 0 B 0 TP4501 0.0 TP4501 0.0 TP4501	С	0	TP809	0			
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B 0 TP4591 -0.7 Q9201 (J) TP4706 0 E 0 TP5301 3.5 C 2.8 TP5302 3.5 B 8.7 TP5303 3.5 Q9202 (J) TP5304 12.0 E 0 TP5305 3.2 C 2.8 TP5307 0 B 8.7 TP5308 1.5 TP5309 1.7 TP5311 3.5 TP5401 4.0				_	1		
Q9201 (J) TP4706 0 E 0 TP5301 3.5 C 2.8 TP5302 3.5 B 8.7 TP5303 3.5 Q9202 (J) TP5304 12.0 E 0 TP5305 3.2 TP5307 0 B 8.7 TP5308 1.5 TP5309 1.7 TP5310 5.7 TP5311 3.5 TP5401 4.0							
E 0 TP5301 3.5 C 2.8 TP5302 3.5 B 8.7 TP5303 3.5 C9202 (J) TP5304 12.0 E 0 TP5305 3.2 C 2.8 TP5307 0 B 8.7 TP5308 1.5 TP5309 1.7 TP5310 5.7 TP5311 3.5 TP5401 4.0							
C 2.8 B 8.7 TP5302 3.5 TP5303 3.5 Q9202 (J) TP5304 12.0 TP5305 3.2 C 2.8 TP5307 0 TP5308 1.5 TP5309 1.7 TP5310 5.7 TP5311 3.5 TP5401 4.0			· -	+			
B 8.7 TP5303 3.5 TP5304 12.0 E 0 TP5305 3.2 TP5307 0 B 8.7 TP5308 1.5 TP5309 1.7 TP5310 5.7 TP5311 3.5 TP5401 4.0			·	$\overline{}$			
Q9202 (J) TP5304 12.0 E 0 TP5305 3.2 C 2.8 TP5307 0 B 8.7 TP5308 1.5 TP5309 1.7 TP5310 5.7 TP5311 3.5 TP5401 4.0	_		_				-
E 0 TP5305 3.2 C 2.8 TP5307 0 B 8.7 TP5308 1.5 TP5309 1.7 TP5310 5.7 TP5311 3.5 TP5401 4.0			1 1				
C 2.8 TP5307 0 TP5308 1.5 TP5309 1.7 TP5310 5.7 TP5311 3.5 TP5401 4.0			1 1				
B 8.7 TP5308 1.5 TP5309 1.7 TP5310 5.7 TP5311 3.5 TP5401 4.0			· -	+		\vdash	
TP5309 1.7 TP5310 5.7 TP5311 3.5 TP5401 4.0			· -				
TP5310 5.7 TP5311 3.5 TP5401 4.0	В	6./	· -	1.5			
TP5311 3.5 TP5401 4.0	-			1			
TP5401 4.0	<u> </u>		· -	+			
		ļ	1 1				
TP5402 2.8							
			TP5402	2.8	l		

OF MODELS &		
MODEL	MARK	
PV-C1323	Α	
PV-C1323-K	В	
PV-C1333W	С	
PV-C1333W-K	D	
PV-C1343	E	
PV-C1353W	F	
PV-C2023	G	
PV-C2023-K	н	
PV-C2033W	- 1	
PV-C2063	J	
PV-C2523-K	К	

VOLTAGE CHART PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K

ROL/

TV/VC	RMA	AIN C	B.A.	(SYS)	ГΕΜ	СОИТ	R
MODE PINNO.	REC	PLAY		MODE PIN NO.	REC	PLAY	
IC6001				55	3.4	0.6	1
1	5.3	5.0	· '	56	3.7	0.5	İ
2	5.2	5.2		57	4.9	4.8	1
3			'	58	5.1	0	t
4			'	59	0	0	t
5	5.2	5.2		60	2.6	2.5	İ
6	0.1	5.2	· ·	61	0	0	İ
7	0.1	0		62	0	0	İ
8	0.3	5.2	'	63	0	0	1
9	1.5	1.3	'	64	0.2	0.1	1
10	5.2	5.2		65	1.4	1.4	1
11	0.1	0		66	4.8	4.8	1
12	0.1	0.1	'	67	2.4	2.4	1
13	0.1	0	· '	68	3.7	0.4	1
14	5.1	5.1	· '	69	2.6	2.6	i
15	0.3	0.1		70	2.6	2.6	1
16	5.1	5.1	'	71	0	0	t
17	5.3	5.3		72	2.6	2.6	t
18	5.2	5.2	'	73	5.2	5.2	t
19	0.5	1.6	· '	74	3.0		t
20	0.3	0	'	75	2.2	0.2	l
21	5.1	5.1		76	2.6	2.6	ı
22	0.1	0.3	,	77	0.2	0.2	t
23	2.6	2.6	'	78	2.4	2.4	t
24	0.1	0	'	79	0.2	0	1
25	5.1	5.1		80	4.9	0.7	i
26	0.5	2.6		81	4.9	4.5	t
27	0	2.6		82	3.4	2.8	t
28	0.1	0.1		83	5.1	5.0	1
29	5.2	0		84	2.0	0.2	1
30	0.6	0.6	'	85	0.1	0.1	i
31	0	0	'	86	5.2	0.3	1
32	1.9	1.9		87	5.2	5.2	t
33	2.7	2.7		88	5.2	0.7	t
34	2.6	2.6	'	89	5.2	0.7	t
35	2.0	2.4	'	90	0.7	0.6	t
36	5.0	5.0		91	5.2	5.2	t
37	2.4	2.4	· '	92	0.7	0.4	1
38	2.5	2.3	'	93	4.9	5.0	1
39	0	0	'	94	5.1	0.3	t
40	0.3	0.3	· '	95	0	0	1
41	0.1	0.1	· ·	96	5.0	4.9	1
42	1.0	0.1		97	0	0	1
43	1.4	1.4	'	98	2.6	2.6	1
44	4.8	4.8		99	0.6	0.5	t
45	3.9	3.9	'	100	0.1	0.2	t
46	4.3	4.2		IC6002	V.1	7,2	1
47	1.8	2.1		1	1.2	1.2	t
48	0	1.9	'	2	0	0	t
49	2.0	2.1		3	0	0	t
50	0.3	2.7		4			l
51	5.0	5.0	,	IC6003			l
52	2.6	2.6		1	2.4	2.4	l
53	2.6	2.6		2	1.2		t
54	0	0		3	0	0	t
بى ن			١.	J	· ·	, v	ı

MODE	REC	PLAY
PIN NO.\		
4	5.2	5.1
C6004		
1	0	0
2	0	0
3	0	0
4	0	0
5	5.3	5.3
6	5.2	5.2
7	0	0
8	5.0	5.0
IC6005		
1	5.2	5.2
2	5.0	5.0
3	0	0
4	0	0
5	5.0	5.0
6	0	0
Q6001		
E	12.0	
c	12.0	0.3
B	11.3	11.7
Q6002		· · · · ·
E	4.5	0
c	11.3	12.1
В	5.2	0
Q6003	J.Z	۳
	0	0
E C	0.2	0.2
В		
Q6004	0.8	0.8
	E 0	
E	5.2	5.2
<u>c</u>	5.2	5.2
В	4.5	4.5
Q6005		
E	5.3	5.3
C	5.2	5.2
В	4.4	4.4
Q6006		
E	0	0
С	5.2	5.2
В	0	0
Q6009		
E	0	0
С	5.2	5.2
Q6010		
Е	0	0
С	5.1	5.2
		5.0
TP6001	5.2	
FP6001	5.2	
FP6002	5.2	5.2
TP6002 TP6003		
FP6002	5.2	5.2

MODE	REÇ	PLAY
PIN NO.		
TP6007	5.2	5.2
TP6008	0	0
TP6009	5.0	5.0
TP6013	0	2.6
TP6021	0	0
TP6022	5.1	5.1
TP6023	0	0
TP6099	5.1	5.1
TP6101	5.2	5.2
TP6103	5.1	5.1
TP6104	5.3	5.2
TP6105	0.1	0
TP6106	5.0	5.0
TP6107	0	0
TP6108	3.9	3.9
TP6109	5.1	5.1
TP6111	0	0
TP6201	2.7	2.7
\vdash		2.1
TP6202	2.6	2.6
TP6203	2.4	2.4
TP6204	1.4	1.4
TP6205	2.6	2.9
TP6206	3.0	2.6
TP6207	2.6	2.6
TP6208	2.7	2.7
TP6209	2.1	2.7
TP6401	0	0.1
1 1		

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

VOLTAGE CHART PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K

HEAD	AMP	HEAD	AMP						
C.B.A.		C.B.A.		CRT C.B.A.			CRT C.B.A.		
(A,B,C,D,G,H,I,K)				(A,B,C,D,E,F)			(G,H,I,J,K)		
/MODE	STOP	MODE	STOP	MODE	STOP		MODE	STOP	
PIN NO.		PIN NO.		PIN NO.			PIN NO.		
IC3501		IC3501		Q351		1	Q351		
1	0	1	0	Е	3.1	Ī	Е	3.1	
2	0	2	0	С	131.1		С	131.1	
3	0.5	3	0.5	В	3.5		В	3.5	
4	0	4	0	Q352			Q352		
5	0	5	0	E	3.1		E	3.1	
6	0	6	0	C	127.9		C	127.9	
7	0.5	7	0.5	В	3.5		B	3.5	
9	0	- 8 9	0	Q353	3.0	ł	Q353 E	3.0	
10	0	10	0.5	E C	131.9	•	c	131.9	
11	0	11	0.5	В	3.5	1	В	3.5	
12	ō	12	0		0.0	1	ا ا	0.0	
13		13	0.1	TP47	0	1	TP47	0	
14	2.4	14	0.1	TP49	3.5	İ	TP49	3.5	
15	2.4	15		TP50	131.9	Ì	TP50	131.9	
16	2.4	16	2.4						
17	2.4	17	2.4						
18	0	18	0						
19		19							
20		20				ł			
21 22		21 22				ł			
23	0	23				ł			
24	0	24				i			
25	0.2	25	0.2			1			
26	0	26	5.1			1			
27	0	27	0						
28	0	28	0						
29	0	29	0						
30	2.5	30	2.5						
31	5.2	31	5.2			ł			
32 33	0	32 33	4.9 0.2			ł			
34	0	34	0.2			1			
35	11.9	35	11.9			1			
36	0.1	36	0.1			i l			
						1			
TP3501	0	TP3501	0						
							-		
\vdash	$\overline{}$					ł		\vdash	
						1	-		
						1			
						1			
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NOTE

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

COMPARISON CHART OF MODELS & MARKS

OF MODELS & MARKS						
MODEL	MARK					
PV-C1323	Α					
PV-C1323-K	В					
PV-C1333W	С					
PV-C1333W-K	D					
PV-C1343	Ε					
PV-C1353W	F					
PV-C2023	G					
PV-C2023-K	Н					
PV-C2033W	- 1					
PV-C2063	J					
PV-C2523-K	K					

VOLTAGE CHART PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K

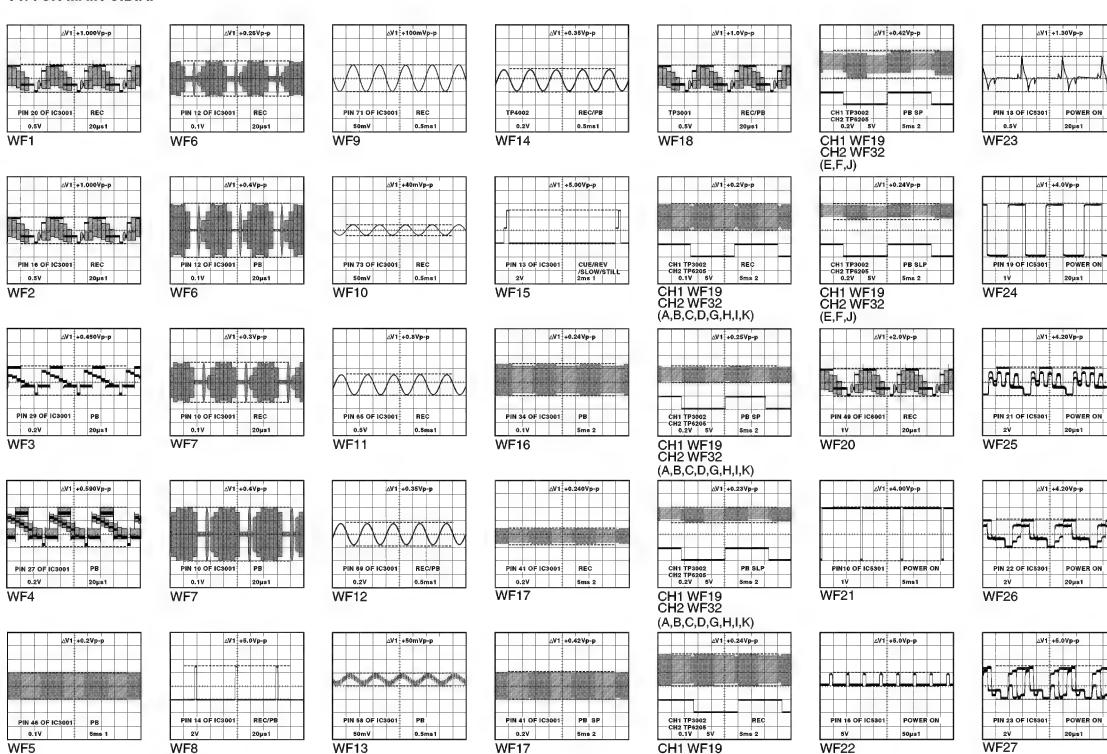
PV-C1323

NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

COMPARISON CHAR OF MODELS & MARK

MODEL	MARK
PV-C1323	Α
PV-C1323-K	В
PV-C1333W	С
PV-C1333W-K	D
PV-C1343	Е
PV-C1353W	F
PV-C2023	G
PV-C2023-K	Н
PV-C2033W	- 1
PV-C2063	J
PV-C2523-K	K

TV/VCR MAIN C.B.A.

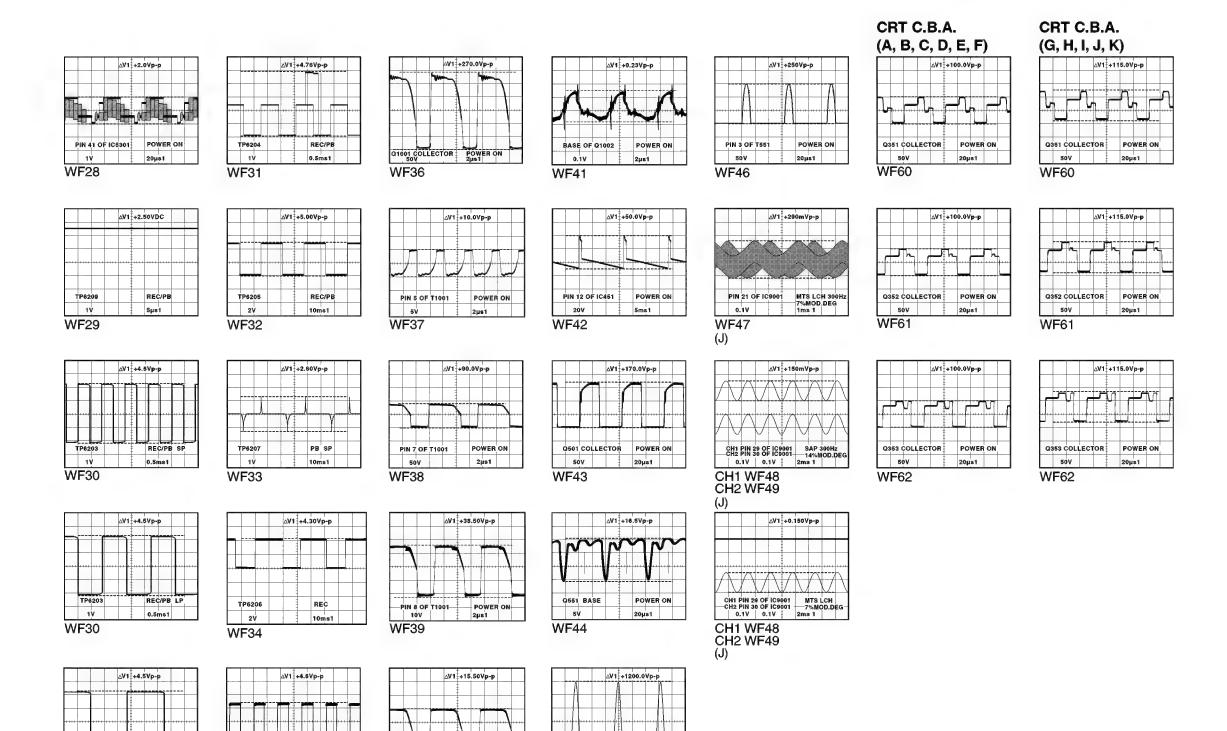


SIGNAL WAVEFORMS PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K

CH2 WF32

(E,F,J)

NOTE: FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.



Q551 COLLECTOR POWER ON 20051

WF45

PB

10µs1

2V

WF35

0.5ms1

1V

WF30

PIN 11 OF T1001

WF40

POWER ON

2µs1

MODEL MARK
PV-C1323 A
PV-C1323-K B
PV-C1333W C
PV-C1333W-K D
PV-C1343 E
PV-C1353W F
PV-C2023 G
PV-C2023-K H
PV-C2033W I
PV-C2063 J
PV-C2063 J
PV-C2523-K K

COMPARISON CHART OF MODELS & MARKS

SIGNAL WAVEFORMS PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K

HEAD AMP C.B.A. (A, B, C, D, G, H, I, K)

2V	1		5ms	2		
CH1 TP3501 — CH2 PIN 1 OF	 - IC3	501	REC	SL	P	L
	1111		1111	****	1111	1"
	1					
	∆V1	+4.1	0Vp	-P		

CH1 WF70 CH2 WF71

HEAD AMP C.B.A. (E, F, J)

				∆V1	+4.0	0Vp	-p		
							-	0000	
111			1141			1141	****		****
		П							
-	CH1	TP3	501			RE	c sı	P	
_	2V	PIN	5 V	103	501	5m	3 2		

CH1 WF72 CH2 WF73 PV-C1323

NOTE:

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

COMPARISON CHART

OF MODELS &	MAUVO
MODEL	MARK
PV-C1323	Α
PV-C1323-K	В
PV-C1333W	С
PV-C1333W-K	D
PV-C1343	E
PV-C1353W	F
PV-C2023	G
PV-C2023-K	н
PV-C2033W	- 1
PV-C2063	J
PV-C2523-K	K

SIGNAL WAVEFORMS PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K

75



COMPARISON CHART OF MODELS & MARKS

PV-C1323 PV-C1323-K

PV-C1333W

PV-C1343 PV-C1353W

PV-C2023

PV-C2023-K PV-C2033W PV-C2063

PV-C2523-K

PV-C1333W-K

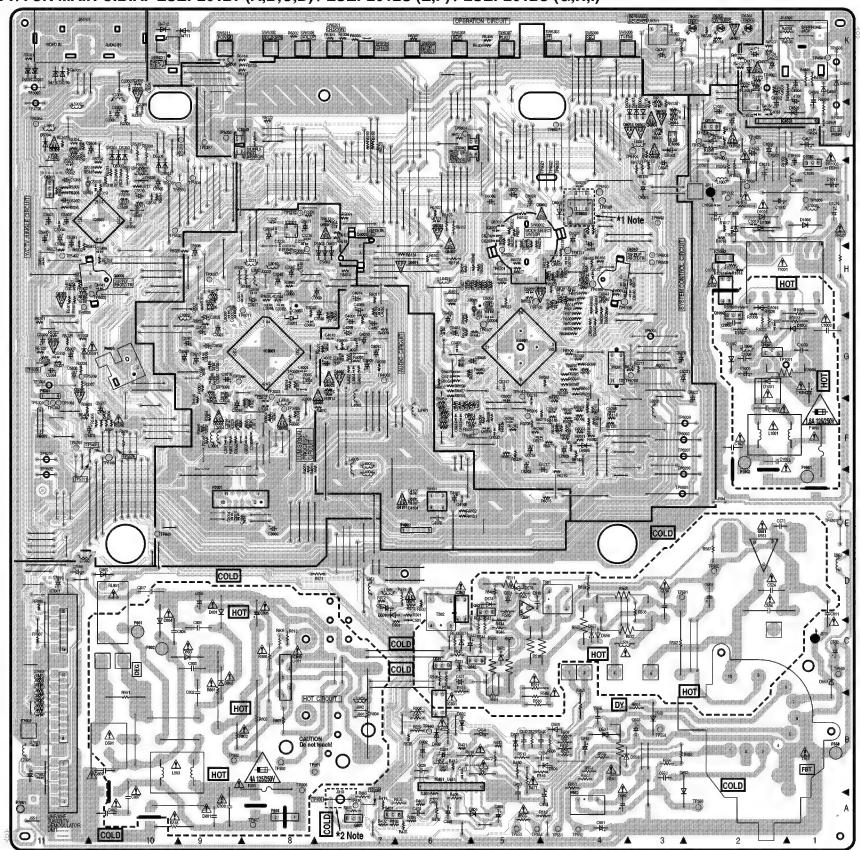
MODEL MARK

9 CIRCUIT BOARD LAYOUT

9.1. TV/VCR MAIN C.B.A. (Models: PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343/PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W)

TV/VCR MAIN C.B.A. LSEP2012T (A,B,C,D) / LSEP2012S (E,F) / LSEP2012C (G,H,I)

HOT CIRCUIT, BE CAREFUL AND USE AN ISOLATION TRANSFORMER WHEN SERVICING.



NOTE:
FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES,
REFER TO BEGINNING OF SCHEMATIC SECTION.

NOTE

CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING,
PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

NOTE

CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE 4A 125/250V FUSE. ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES D' INCENDIE N' UTILISERQUE DES FUSIBLE DE MÉME TYPE 4A 125/250V

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 1.6A 125/250V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES
D'T INCENDIE N'I UTILISERQUE DES FUSIBLE DE MÉME
TYPE 1.6A 125/250V

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN A HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

*1 Note

There are 2 types of EEPROM IC (IC6004) used on the TV/VCR Main C.B.A. (DIP TYPE and SOP TYPE) However, these are same reliability.





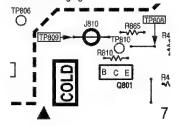
Be sure to install DIP type IC from the component side as shown in Fig. 1.
Be sure to intall SOP type IC from the foil side as

shown in Fig. 2.

*2 Note

When the TV/VCR MAIN CBA is replaced, the Jumper wire(J801 or J810) of the new TV/VCR MAIN CBA must be cut before use. If the Jumper wire isn't cut, the power does not turned on to the TV circuit.

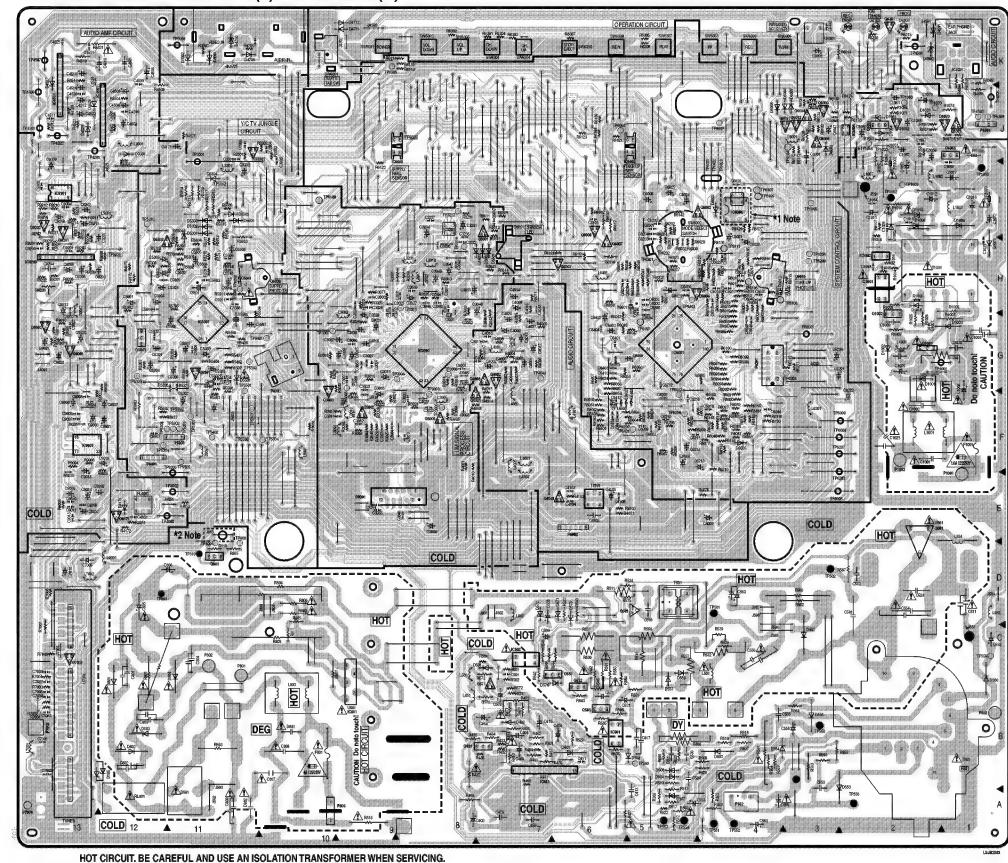
As for the location of the Jumper wire, please refer the following figure.



TV/VCR MAIN C.B.A. LSEP2012T/LSEP2012S/LSEP2012C PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W

TV/VCR MAIN C.B.A. (Models: PV-C2063/PV-C2523-K)

TV/VCR MAIN C.B.A. LSEP2083A (J) / LSEP2083D (K)



IE: FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

IMPORTANT SAFETY NOTICE:
COMPONENTS IDENTIFIED BY THE SIGN A HAVE
SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY.
WHEN REPLACING ANY OF THESE COMPONENTS,
USE ONLY THE SPECIFIED PARTS.

PV-C1323 A PV-C1323-K B PV-C1333W C PV-C1333W-K D PV-C1343 E PV-C1353W F PV-C2023 G		
MODEL	MAR	
PV-C1323	А	
PV-C1323-K	В	
PV-C1333W	С	
PV-C1333W-K	D	
PV-C1343	Е	
PV-C1353W	F	
PV-C2023	G	
PV-C2023-K	н	
PV-C2033W	1	
PV-C2063	J	
PV-C2523-K	lκ	

COMPARISON CHART

CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS. FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING, PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH THE SAME TYPE 4A 125/250V FUSE. ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES D' INCENDIE N' UTILISERQUE DES FUSIBLE DE MÉME

CAUTION: FOR CONTINUED PROTECTION AGAINST FIRE HAZARD,
REPLACE ONLY WITH THE SAME TYPE 1.6A 125/250V FUSE.
ATTENTION: POUR UNE PROTECTION CONTINUE LES RISQUES
DT INCENDIE N'I UTILISERQUE DES FUSIBLE DE MÉME D'T INCENDIE N'I UTI TYPE 1.6A 125/250V

*1 Note

There are 2 types of EEPROM IC (IC6004) used on the TV/VCR Main C.B.A. (DIP TYPE and SOP TYPE) However, these are same reliability





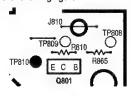


Be sure to install DIP type IC from the component

side as shown in Fig. 1. Be sure to intall SOP type IC from the foil side as shown in Fig. 2.

*2 Note

When the TV/VCR MAIN CBA is replaced, the Jumper wire(J801 or J810) of the new TV/VCR MAIN CBA must be cut before use. If the Jumper wire isn't cut, the power does not turned on to the TV circuit. As for the location of the Jumper wire, please refer the following figure.



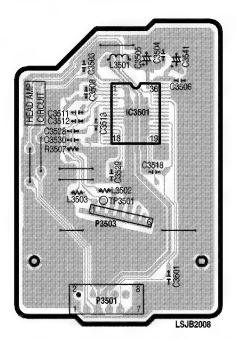
TV/VCR MAIN C.B.A. LSEP2083A/LSEP2083D PV-C2063/PV-C2523-K

PV-C1323

HEAD AMP C.B.A. LSEP2008A (A,B,C,D,G,H,I,K)

NOTE:
CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS.
FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING,
PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

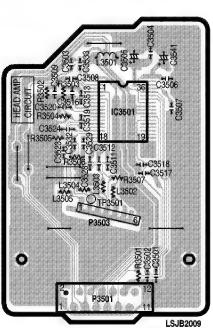
CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.



HEAD AMP C.B.A. LSEP2009A (E,F,J)

CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS. FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING, PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

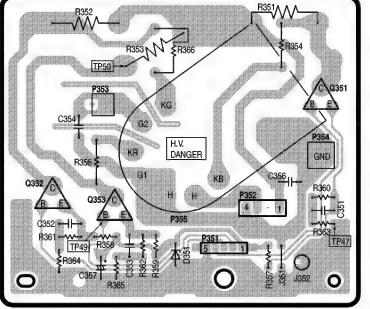
NOTE: CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.



CRT C.B.A. LRP63004D (A,B,C,D,E,F)

FOR SCHEMATIC DIAGRAM AND CIRCUIT BOARD LAYOUT NOTES, REFER TO BEGINNING OF SCHEMATIC SECTION.

CAUTION: WHEN SERVICING THIS C.B.A., AVOID TOUCHING HIGH VOLTAGE COMPONENTS.



LRP63004

CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS. FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING, PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

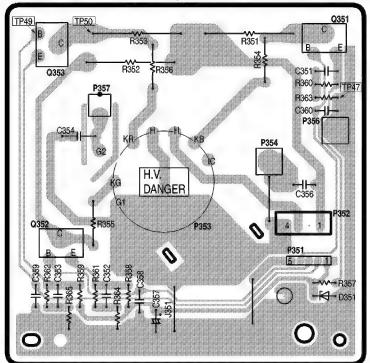
CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

COMPARISON CHART

OF MODELS &	MANNS
MODEL	MARK
PV-C1323	Α
PV-C1323-K	В
PV-C1333W	c
PV-C1333W-K	D
PV-C1343	E
PV-C1353W	F
PV-C2023	G
PV-C2023-K	н
PV-C2033W	- 1
PV-C2063	J
PV-C2523-K	K

CRT C.B.A. LRP63022B (G,H,I,J) / LRP63022E (K)

CAUTION: WHEN SERVICING THIS C.B.A., AVOID TOUCHING HIGH VOLTAGE COMPONENTS.



CIRCUIT BOARD LAYOUT SHOWS COMPONENTS INSTALLED FOR VARIOUS MODELS. FOR PROPER PARTS CONTENT FOR THE MODEL YOU ARE SERVICING, PLEASE REFER TO THE SCHEMATIC DIAGRAM AND PARTS LIST.

CIRCUIT BOARD LAYOUT INCLUDES COMPONENTS WHICH ARE NOT USED.

HEAD AMP C.B.A. LSEP2008A HEAD AMP C.B.A. LSEP2009A

CRT C.B.A. LRP63004D

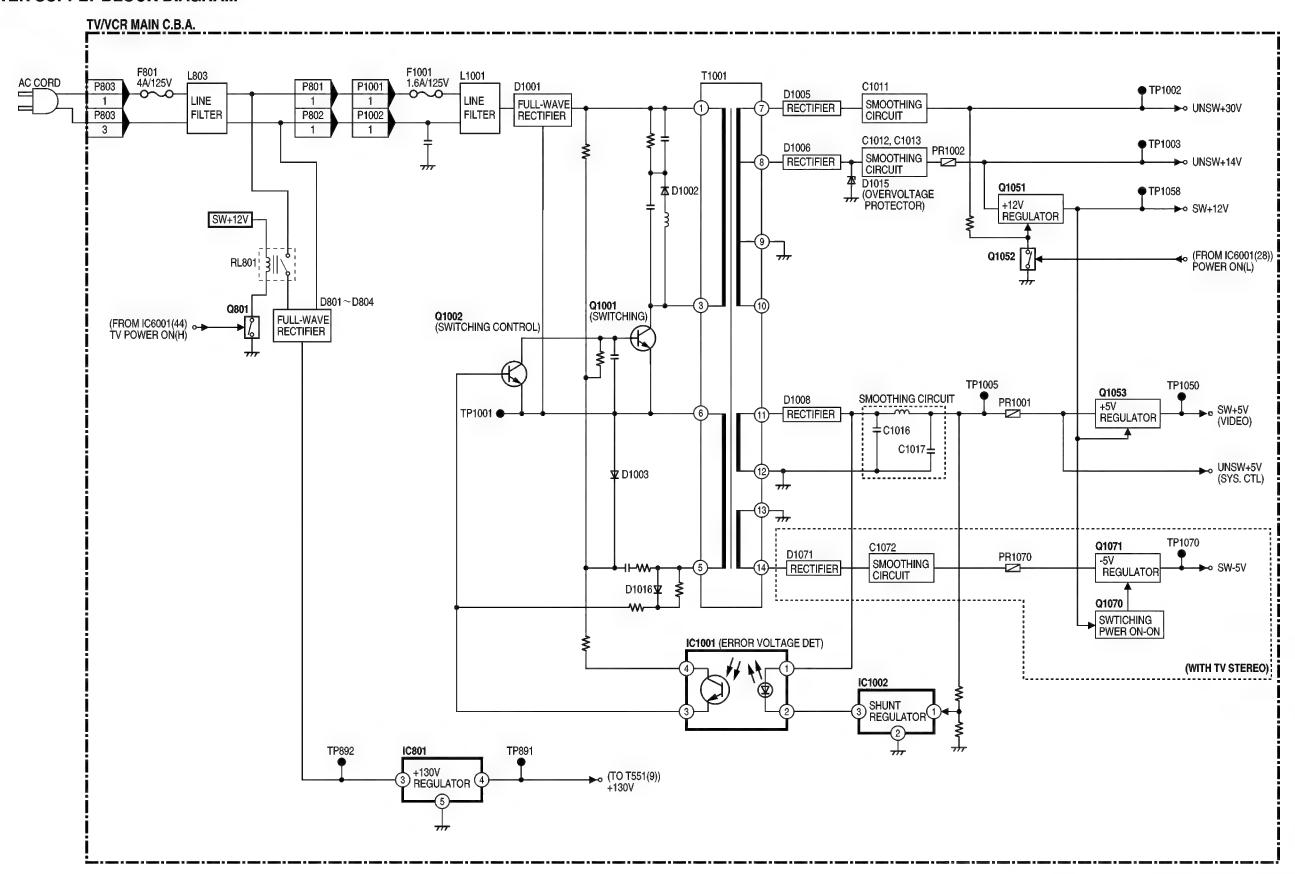
CRT C.B.A. LRP63022B/LRP63022E

PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K



10 BLOCK DIAGRAMS

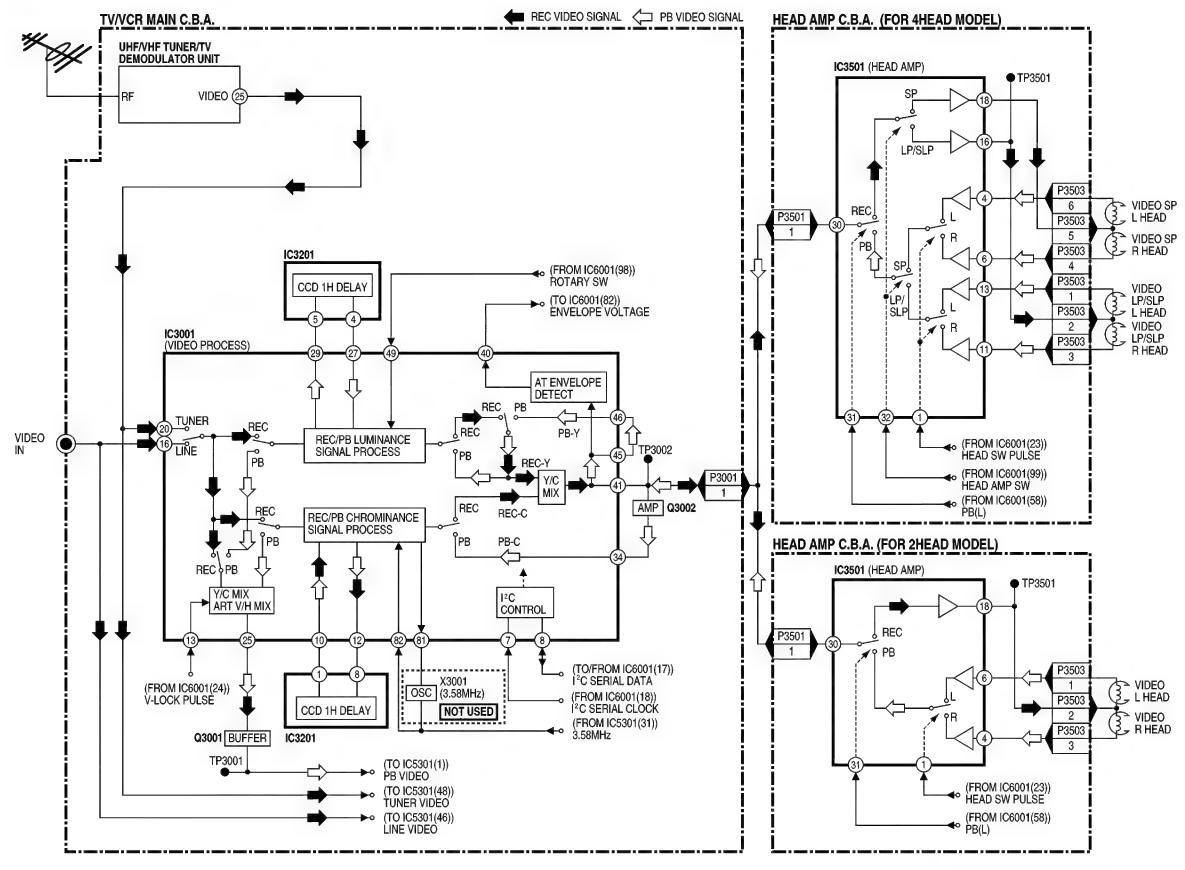
POWER SUPPLY BLOCK DIAGRAM



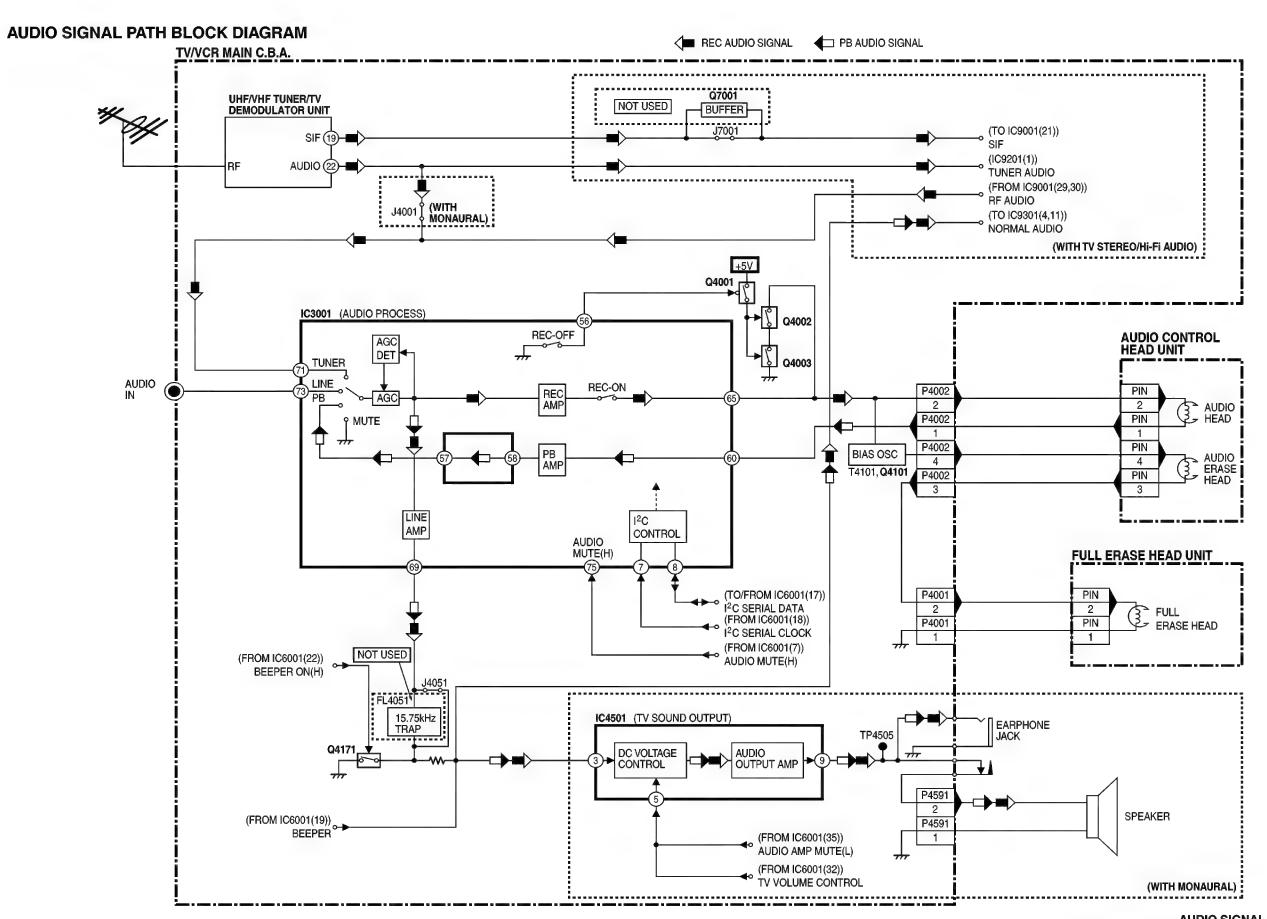
POWER SUPPLY BLOCK DIAGRAM

PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K

VIDEO SIGNAL PATH BLOCK DIAGRAM

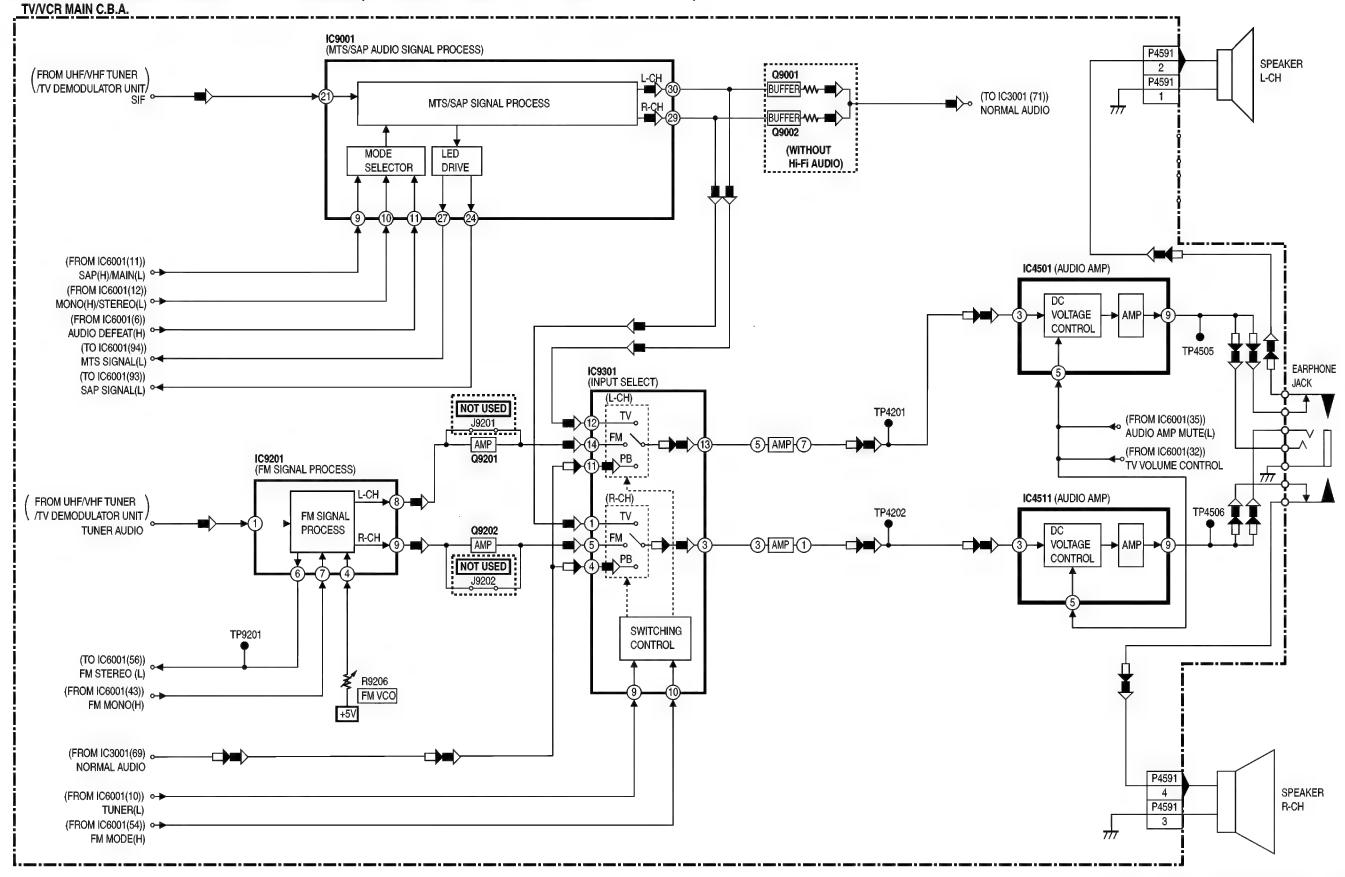


VIDEO SIGNAL PATH BLOCK DIAGRAM
PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343
/PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K

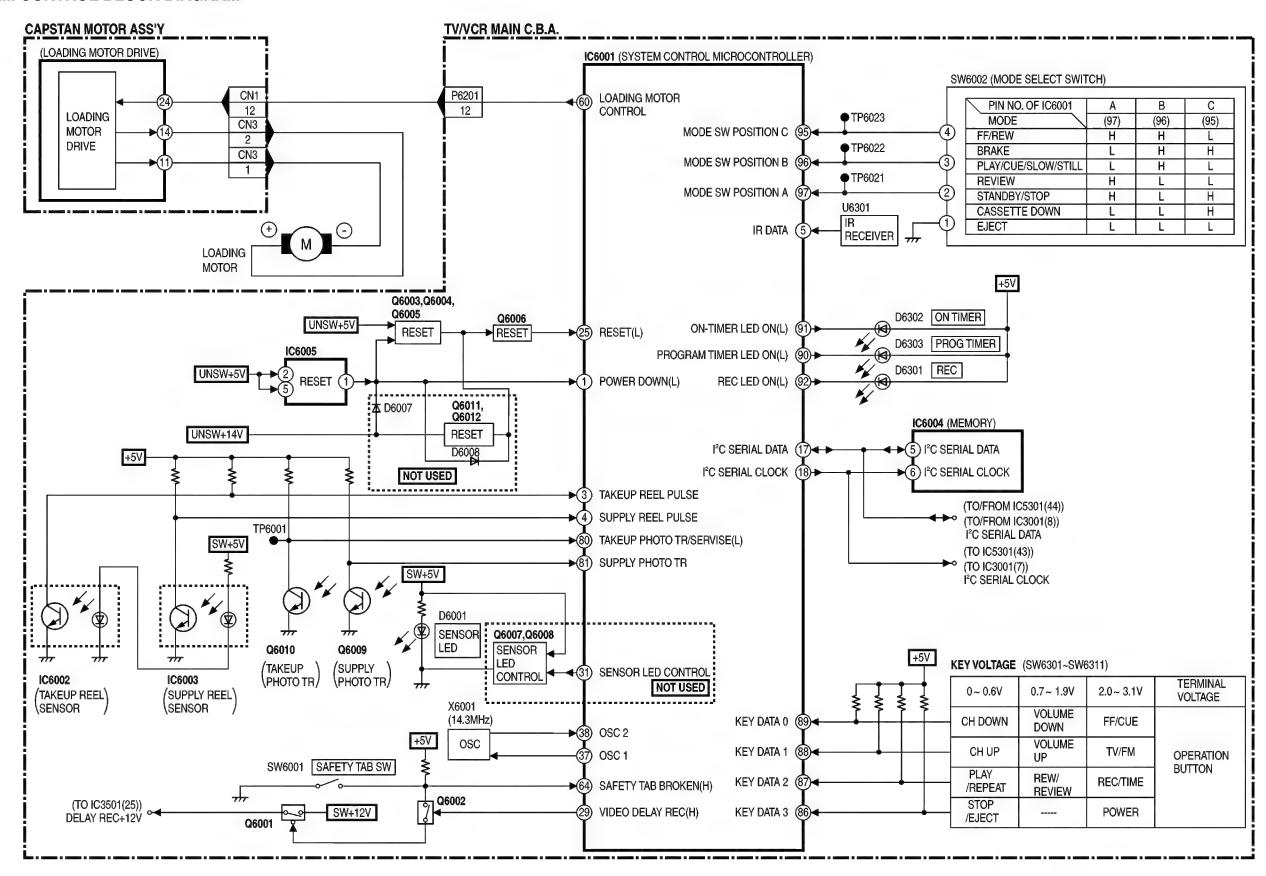


AUDIO SIGNAL PATH BLOCK DIAGRAM PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K

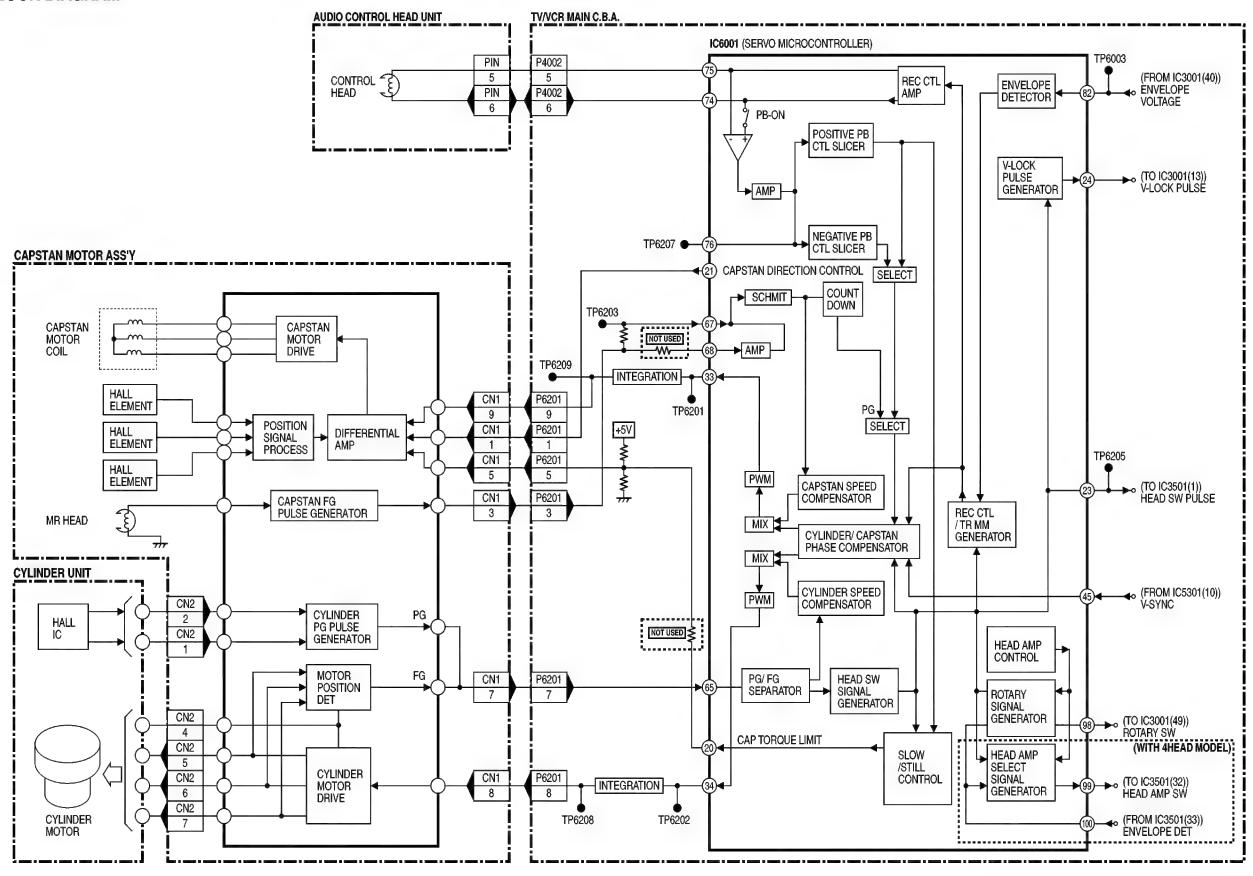
MTS/SAP AUDIO / AUDIO AMP BLOCK DIAGRAM (FOR MODEL WITH TV STEREO/Hi-Fi AUDIO)



SYSTEM CONTROL BLOCK DIAGRAM



SERVO BLOCK DIAGRAM



TV / Y/C PROCESS BLOCK DIAGRAM ◆ VIDEO SIGNAL TV/VCR MAIN C.B.A. CRT C.B.A. Q5601 NOT USED BUFFER D5602 X5601 3.58MHz OSC (TO IC3001(82)) → 3.58MHz (FROM IC6001(26)) TP47 IC5301 (LUMINANCE/CHROMINANCE PROCESS) 3.58MHz ∘► P6001 5 РВО VCO ◀ (FROM IC3001(25)) PB VIDEÓ RGB AMP Q5301 LINE (FROM VIDEO IN) CHROMINANCE SIGNAL PROCESS LINE VIDEÓ Q351 P5301 P351 TUNER BLUE AMP FROM UHF/VHF TUNER OSD 4 4 **—**0 (TV DEMODULATOR UNIT) Q352 CHARACTER P5301 P351 MUTE Q TUNER VIDEO ° MATRIX GREEN AM CRT MIX/ 3 3 7/7 Q353 **BLANKING** P5301 P351 LUMINANCE RED AMP 2 2 SIGNAL PROCESS V. PULSE PROCESS TP49 TP50 H. PULSE PROCESS P552 P352 IC6001 (OSD/CCV MICROCONTROLLER) 13 inch MODEL P353 BLANKING (FORM IC6001(13)) OSD-R 1 OSD-G OSD-B VIDEO MUTE(H) P357 V. HEIGHT CONTROL 1 CONTROL 20 inch MODEL DISPLAY **HEATER** P552 P352 CONTROL 3 3 OSD-BLANKING ◆◆ (TO/FROM IC6001(17)) 1²C SERIAL DATA (FROM IC3001(25)) VIDEO (FROM IC6001(18)) I²C SERIAL CLOCK IC451 (VERTICAL DEFLECTION DRIVE) VERTICAL DEFLECTION VERTICAL DEFLECTION YOKE DRIVE D507 HORIZONTAL DEFLECTION R503,C513 Q431 P D503 DC FEED BACK CIRCUIT BUFFER -YOKE CONVERT TP554 TP553 D402 S (TO IC6001(79)) OVER CURRENT(H) IC501 OVER Q531,Q532 CURRENT OVER VOLTAGE DETECTOR DETECTOR Q581 OVER CURRENT DETECTOR IC502,Q501 Q551,T501 VIDEO+B [ANODE

TV /Y/C PROCESS BLOCK DIAGRAM PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343 /PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063/PV-C2523-K

HEATER

COLLECTOR TRANSCE

+B

TRANSFORMER

FOCUS

SCREEN

ABL W W W

(FROM IC801(4))

+130V

HORIZONTAL

DRIVE

Q571

D5304

BUFFER

N SOUTH

Q5302 NOT USED



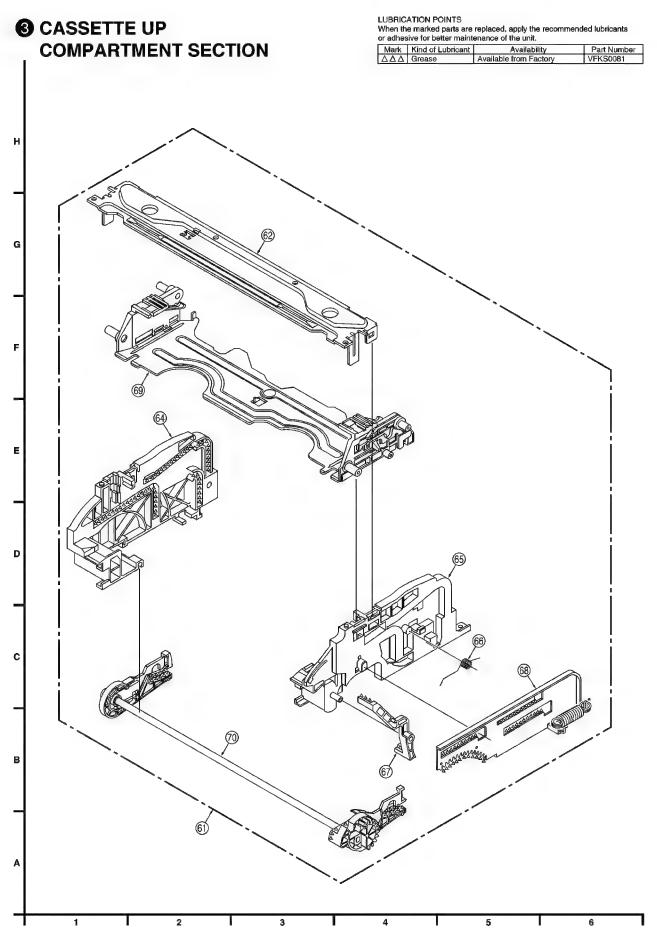
- 11 EXPLODED VIEWS (Models: PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343/PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063)
- 11.1. MECHANISM (TOP) SECTION

LUBRICATION POINTS When the marked parts are replaced, apply the recommended lubricants or adhesive for better maintenance of the unit. **1** MECHANISM (TOP) SECTION Mark Kind of Lubricant Availability Part Number Note: Parts with no Ref. No. in "EXPLODED VIEWS" are not supplied. And some Ref. No. will be skipped. Be sure to make your orders of replacement parts according to the parts list. NOTE 1 (4) To (A) in Mechanism (Bottom) Section D . (9) not supplied **(40)** NOTE 1: The Mechanical Chassis Sub Ass'y (Ref. No. 4) consists of all the mechanical parts except the Cylinder Unit (Ref. No. 11) and the Cassette Up Ass'y (Ref. No. 61). After replacing the Mechanical Chassis Sub Ass'y, be sure to perform "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT procedures.

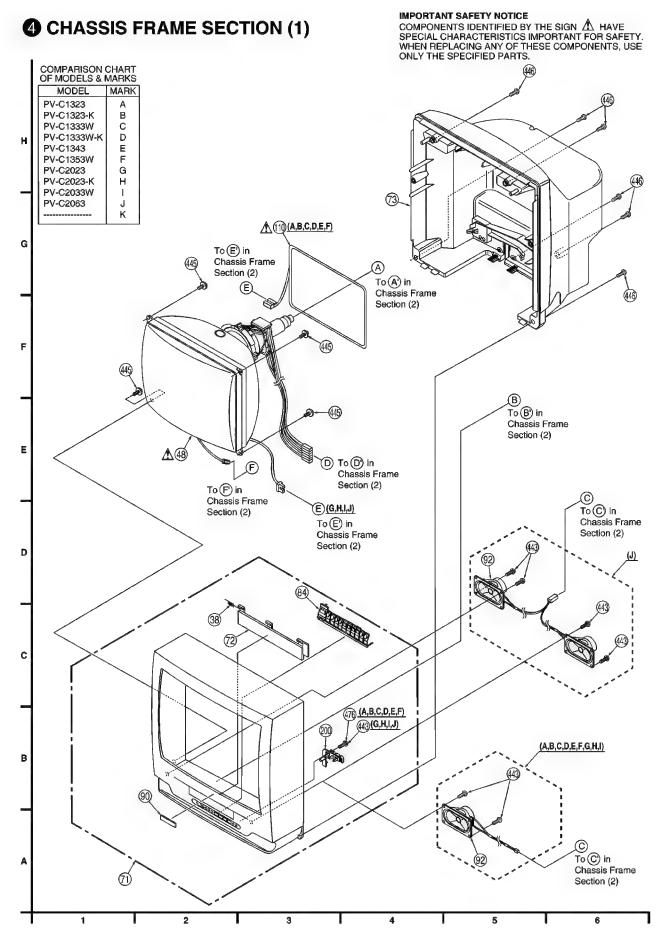
11.2. MECHANISM (BOTTOM) SECTION

LUBRICATION POINTS **2** MECHANISM (BOTTOM) SECTION When the marked parts are replaced, apply the recommended lubricants or adhesive for better maintenance of the unit. Mark Kind of Lubricant Availability Part Number Available from Factory VFKS0081 ΔΔΔ Grease NOTE 1 (4) Н From (A) in G Mechanism (Top) NOTE 4 Section **Lubrication Points** Solder **Bottom View** Lubrication Points NOTE 3 D **Bottom View** not supplied C В NOTE 1: The Mechanical Chassis Sub Ass'y (Ref. No. 4) consists of all the mechanical parts except the Cylinder Unit (Ref. No. 11) and the Cassette Up Ass'y (Ref. No. 61). After replacing the Mechanical Chassis Sub Ass'y, be sure to perform "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT procedures. NOTE 3: Main Cam Gear is supplied as a Main Cam Gear Kit only. Main Cam Gear Kit consists of a Main Cam Gear and a Main Cam Push Nut. However, Main Cam Push Nut is available separately as a replacement part. NOTE 4: The Capstan Motor Ass'y (Ref. No. 46) is supplied as a unit only. However, the Flat Flexible Cable (Ref. No. 45) is available separately as a replacement part.

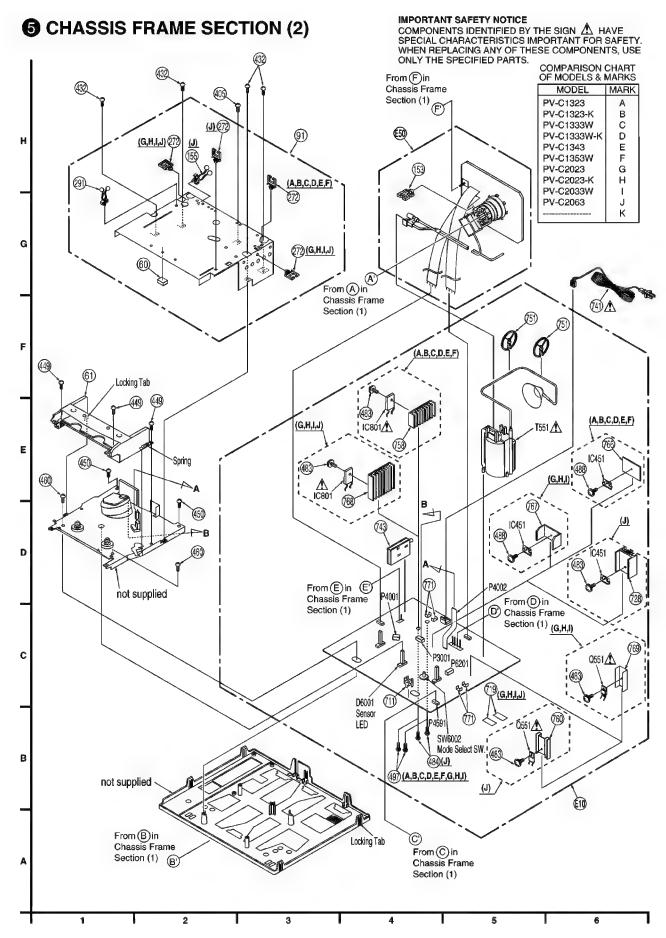
11.3. CASSETTE UP COMPARTMENT SECTION



11.4. CHASSIS FRAME SECTION (1)

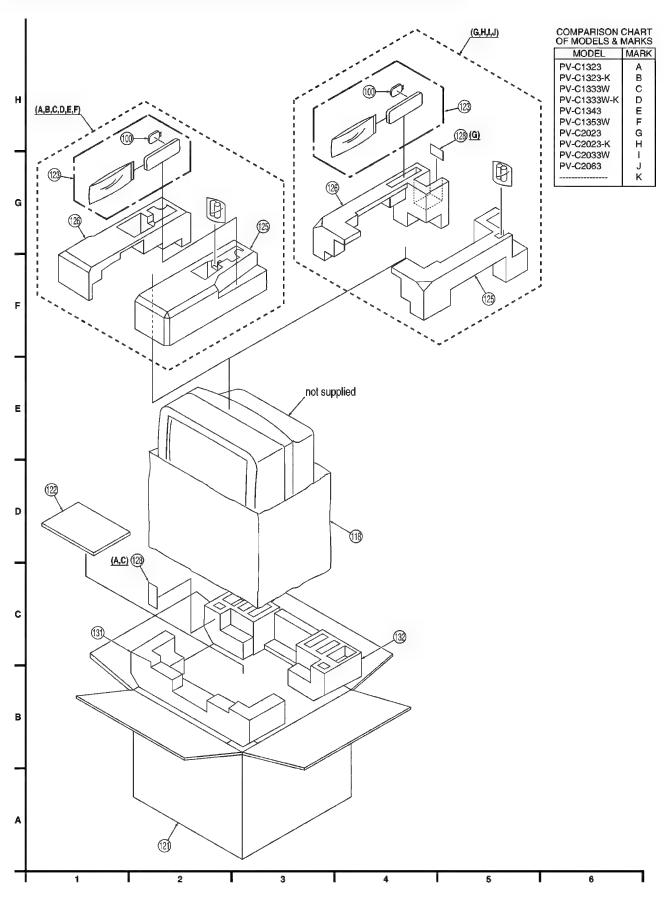


11.5. CHASSIS FRAME SECTION (2)



11.6. PACKING PARTS AND ACCESSORIES SECTION

6 PACKING PARTS AND ACCESSORIES SECTION



12 REPLACEMENT PARTS LISTS (Models: PV-C1323/PV-C1323-K/PV-C1333W/PV-C1333W-K/PV-C1343/PV-C1353W/PV-C2023/PV-C2023-K/PV-C2033W/PV-C2063)

BEFORE REPLACING PARTS, READ THE FOLLOWING:

12.1. REPLACEMENT NOTES

12.1.1. General Notes

1. Use only original replacement parts:

To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list.

2. IMPORTANT SAFETY NOTICE

Components identified by the sign \triangle have special characteristics important for safety. When replacing any of these components, use only the specified parts.

3. SPECIAL NOTE

All integrated circuits and many other semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "ELECTROSTATICALLY SENSITIVE (ES) DEVICES" section of this service manual.

- 4. Parts with no Ref. No. in "EXPLODED VIEWS" are not supplied. And some Ref. No. will be skipped. Be sure to make your orders of replacement parts according to the parts list.
- Parts different in shape or size may be used. However, only interchangeable parts will be supplied as service replacement parts.
- 6. Definition of Parts supplier:
 - a. Parts with mark "MKE" in the Remarks column are supplied from MKE.
 - b. Parts without mark in the Remarks column are supplied from MKI.
- 7. Item numbers with capital letter E (Example: E10, E20,...) in the Ref. No. column are shown in the exploded views.
- 8. Parts whose Ref. Nos. are the same are interchangeable as replacement parts. Any of these parts may be ordered and used as a replacement part.

12.1.2. Mechanical Replacement Notes

- Section No. of parts shown in Exploded Views are indicated in the Remarks column.
- The Mechanical Chassis Sub Ass'y (Ref. No. 4) consists of all the mechanical parts except the Cylinder Unit (Ref. No. 11) and the Cassette Up Ass'y (Ref. No. 61).

After replacing the Mechanical Chassis Sub Ass'y, be sure to perform "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT procedures.

3. In early units, a washer is used.

When servicing the washer or the P5 Arm Unit, replace only the P5 Arm Unit with a new one, and remove the washer.

 Main Cam Gear is supplied as a Main Cam Gear Kit (Ref. No. 8) only. Main Cam Gear Kit consists of a Main Cam Gear and a Main Cam Push Nut. However, Main Cam Push Nut is available separately as a replacement part.

- 5. The Capstan Motor Ass'y (Ref. No. 46) is supplied as a unit only. However, the Flat Flexible Cable (Ref. No. 45) is available separately as a replacement part.
- 6. The Infrared Remote Control Unit (Ref. No. 123) replacement part is available as a complete assembly unit only. Do not try to disassemble the Infrared Remote Control Unit. However, the battery cover is available separately as a replacement part.
- Main Cam Push Nut (Ref. No. 414) is not reusable.If removed, install a new one.

12.1.3. Electrical Replacement Notes

1. Unless otherwise specified;

All resistors are in Ω , K = 1,000 Ω , M = 1,000 k Ω .

2. Abbreviation

RTL: Retention Time Limited

This indicates that the retention time is

limited for this item. After the discontinuation of this item in production, it will no longer be

available.

NR: Non Repairable Board Ass'y

MGF CHIP: Metal Glaze Film Chip

C CHIP: Ceramic Chip

COMPLX CMP: Complex Component
W FLMPRF: Wirewound Flameproof
C.B.A.: Circuit Board Assembly
P.C.B.: Printed Circuit Board

E.S.D.: Electrostatically Sensitive Devices

- 3. When replacing 0 Ω resistor, a wire can be substituted for $^{\mathrm{it}}$
- 4. Since the UHF/VHF TUNER/TV DEMODULATOR UNIT (Ref. No. 743) has already been pre-adjusted at the factory, do not try to adjust the UHF/VHF TUNER/TV DEMODULATOR UNIT. The UHF/VHF TUNER/TV DEMODULATOR UNIT replacement part is available as a complete assembly unit only.
- 5. EEP ROM IC (IC6004) replacement note:

There are 2 types of EEPROM IC (IC6004) used on the Main C.B.A. (DIP TYPE and SOP TYPE). However, these are same reliability, please refer to "TV/VCR MAIN C.B.A." in CIRCUIT BOARD LAYOUT.

6. TV/VCR MAIN C.B.A. replacement note:

When the TV/VCR MAIN C.B.A.s shown below are replaced, the Jumper wire(J801 or J810) of the new TV/VCR MAIN C.B.A. must be cut before use. If the Jumper wire isn't cut, the power does not turned on to the TV circuit.

As for the location of the Jumper wire, please refer to "TV/VCR MAIN C.B.A." in CIRCUIT BOARD LAYOUT.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
PV-C1323	Α
PV-C1323-K	В
PV-C1333W	С
PV-C1333W-K	D
PV-C1343	E
PV-C1353W	F
PV-C2023	G
PV-C2023-K	Н
PV-C2033W	- 1
PV-C2063	J
	K

12.2. MECHANICAL REPLACEMENT PARTS LIST

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
PV-C1323	Α
PV-C1323-K	В
PV-C1333W	С
PV-C1333W-K	D
PV-C1343	Е
PV-C1353W	F
PV-C2023	G
PV-C2023-K	Н
PV-C2033W	1
PV-C2063	J
	К

Definition of Parts supplier:

- 1. Parts with mark "MKE" in the Remarks column are supplied from MKE.
- 2. Parts without mark in the Remarks column are supplied from MKI.

MECHANICAL	REPLACEMENT	PARTS

Ref. No.	Part No.	Part Name & Description	Remarks
1	VBSS0033	FULL ERASE HEAD	1
2	LSXK0109	MOTOR BLOCK UNIT	1
3	LSDB0045	TENSION ARM BOSS	1
4	LSXY0463	MECHANICAL CHASSIS SUB ASS'Y	1,2 RTL
5	LSMD0209	OPENER PIECE	1
8	LSVD0007	MAIN CAM GEAR KIT	2
9	LSDR0004	S REEL TABLE	1
10	LSDR0005	T REEL TABLE	1
11	LSEG0013	CYLINDER UNIT (A,B,C,D,G,H,I	1
11	LSEG0069	CYLINDER UNIT (E,F,J)	1
12	LSEH0006	AUDIO CONTROL/ERASE HEAD UNIT	1
14	LSDG0112	LIFT GEAR	1
16	VXDS0213	LOADING POST BASE-S UNIT	1

			<u> </u>
Ref. No.	Part No.	Part Name & Description	Remarks
17	VXDS0214	LOADING POST BASE-T UNIT	1
18	LSXL0079	PINCH ARM UNIT	1
19	LSDG0110	INTERMEDIATE GEAR A	1
20	LSXL0078	P5 ARM UNIT	1
21	LSML0360	DRIVE RACK ARM	1
22	LSXL0077	TENSION CONTROL ARM UNIT	1
23	LSMB0282	PINCH ASSIST SPRING	1
25	LSSC0518	A/C SHIELD PLATE	1
27	VXLS1130	T BRAKE UNIT	1
29	VXLS1129	TENSION ARM UNIT	1
38	LSMB0289	CASSETTE DOOR SPRING	4
41	VXPS0389	CENTER CLUTCH UNIT	2
42	VMBS1151	CHANGING GEAR SPRING	2
43	LSDG0114	CHANGING GEAR	2
44	VXLS1091	IDLER ARM UNIT	2
45	LSJW0027	FLAT FLEXIBLE CABLE W/OUT PLUG,12V DC	2
46	LSEM0078	CAPSTAN MOTOR ASS'Y	2
47	LSMM0007	MAIN ROD	2
48	LXOVB01131		4 🗥
		A,B,C,D)	
48	LXQVB01133	COLOR PICTURE TUBE UNIT (E,F)	4 \Lambda
48	LXQVB01202	COLOR PICTURE TUBE UNIT (4 🛕
48	LXQVB02202	G,H,I) COLOR PICTURE TUBE UNIT (J)	4 🗥
49	VXLS1099	S LOADING ARM UNIT	2
50	VXLS1099	T LOADING ARM UNIT	2
51	LSDG0116	REEL GEAR	2
52	LSDG0111	INTERMEDIATE GEAR B	2
53	LSMA0532	SUPPORT ANGLE	2
54	LSDV0009	CAPSTAN BELT SQUARE, ELASTOMER	
-		2MM	_
58	LSXL0087	SS BRAKE ARM UNIT	2
59	LSMB0196	SS BRAKE SPRING	2
60	VMFS0311	CUSHION	5
61	LSXY0483	CASSETTE UP ASS'Y	3,5
62	LSMA0352	TOP PLATE	3
64	LSMD0174	SIDE PLATE L	3
65	LSMD0173	SIDE PLATE R	3
66	LSMB0218	SUPPORT SPRING	3
67	LSML0096	OPENER LEVER	3
68	VXLS1111	DRIVE RACK UNIT	3
69	LSXA0497	HOLDER UNIT	3
70	VXLS1110	WIPER ARM UNIT	3
71	LXQKY02132	FRONT CABINET ASS'Y (A,B)	4
71	LXQKY03132	FRONT CABINET ASS Y (C,D)	4
71	LXQKY04132	FRONT CABINET ASS'Y (E)	4
71	LXQKY05132	FRONT CABINET ASS'Y (F)	4
71	LXQKY02202	FRONT CABINET ASS Y (G,H)	4
71	LXQKY03202	FRONT CABINET ASS'Y (I)	4
71	LXQKY04202	FRONT CABINET ASS Y (J)	4
72	LSKF0440	CASSETTE DOOR-LID (A,B)	4
72			
	LSKF0441	CASSETTE DOOR-LID (C,D)	4
72	LSKF0442	CASSETTE DOOR-LID (E)	4
72	LSKF0442 LSKF0443	CASSETTE DOOR-LID (E) CASSETTE DOOR-LID (F)	4
72 72	LSKF0442 LSKF0443 LSKF0446	CASSETTE DOOR-LID (E) CASSETTE DOOR-LID (F) CASSETTE DOOR-LID (G,H)	4 4 4
72 72 72	LSKF0442 LSKF0443 LSKF0446 LSKF0447	CASSETTE DOOR-LID (E) CASSETTE DOOR-LID (F) CASSETTE DOOR-LID (G,H) CASSETTE DOOR-LID (I)	4 4 4
72 72 72 72	LSKF0442 LSKF0443 LSKF0446 LSKF0447 LSKF0409	CASSETTE DOOR-LID (E) CASSETTE DOOR-LID (F) CASSETTE DOOR-LID (G,H) CASSETTE DOOR-LID (I) CASSETTE DOOR-LID (J)	4 4 4 4 4
72 72 72 72 73	LSKF0442 LSKF0443 LSKF0446 LSKF0447 LSKF0409 LKV60601A	CASSETTE DOOR-LID (E) CASSETTE DOOR-LID (F) CASSETTE DOOR-LID (G,H) CASSETTE DOOR-LID (I) CASSETTE DOOR-LID (J) REAR COVER (A,E)	4 4 4 4 4
72 72 72 72 72 73 73	LSKF0442 LSKF0443 LSKF0446 LSKF0447 LSKF0409 LKV60601A LXQKV08139	CASSETTE DOOR-LID (E) CASSETTE DOOR-LID (F) CASSETTE DOOR-LID (G,H) CASSETTE DOOR-LID (I) CASSETTE DOOR-LID (J) REAR COVER (A,E) REAR COVER UNIT (B)	4 4 4 4 4
72 72 72 72 73 73 73	LSKF0442 LSKF0443 LSKF0446 LSKF0447 LSKF0409 LKV60601A LXQKV08139 LKV60602B	CASSETTE DOOR-LID (E) CASSETTE DOOR-LID (F) CASSETTE DOOR-LID (G,H) CASSETTE DOOR-LID (I) CASSETTE DOOR-LID (J) REAR COVER (A,E) REAR COVER UNIT (B) REAR COVER (C,F)	4 4 4 4 4 4
72 72 72 72 73 73 73 73	LSKF0442 LSKF0443 LSKF0446 LSKF0447 LSKF0409 LKV60601A LXQKV08139 LKV60602B LXQKV09139	CASSETTE DOOR-LID (E) CASSETTE DOOR-LID (F) CASSETTE DOOR-LID (G,H) CASSETTE DOOR-LID (I) CASSETTE DOOR-LID (J) REAR COVER (A,E) REAR COVER UNIT (B) REAR COVER (C,F) REAR COVER UNIT (D)	4 4 4 4 4 4
72 72 72 72 73 73 73 73 73	LSKF0442 LSKF0443 LSKF0446 LSKF0447 LSKF0409 LKV60601A LXQKV08139 LKV60602B LXQKV09139 LSGV0029	CASSETTE DOOR-LID (E) CASSETTE DOOR-LID (F) CASSETTE DOOR-LID (G,H) CASSETTE DOOR-LID (I) CASSETTE DOOR-LID (J) REAR COVER (A,E) REAR COVER UNIT (B) REAR COVER (C,F) REAR COVER UNIT (D) REAR COVER (G)	4 4 4 4 4 4 4 4
72 72 72 72 73 73 73 73 73 73	LSKF0442 LSKF0443 LSKF0446 LSKF0447 LSKF0409 LKV60601A LXQKV08139 LKV60602B LXQKV09139 LSGV0029 LXQKV01202	CASSETTE DOOR-LID (E) CASSETTE DOOR-LID (F) CASSETTE DOOR-LID (G,H) CASSETTE DOOR-LID (I) CASSETTE DOOR-LID (J) REAR COVER (A,E) REAR COVER (UNIT (B) REAR COVER (C,F) REAR COVER (G) REAR COVER (G) REAR COVER (H)	4 4 4 4 4 4 4 4 4 4
72 72 72 72 73 73 73 73 73 73 73	LSKF0442 LSKF0443 LSKF0446 LSKF0447 LSKF0409 LKV60601A LXQKV08139 LKV60602B LXQKV09139 LSGV0029 LXQKV01202 LSGV0030	CASSETTE DOOR-LID (E) CASSETTE DOOR-LID (F) CASSETTE DOOR-LID (G,H) CASSETTE DOOR-LID (I) CASSETTE DOOR-LID (J) REAR COVER (A,E) REAR COVER (UNIT (B) REAR COVER (C,F) REAR COVER (G) REAR COVER (G) REAR COVER (I)	4 4 4 4 4 4 4 4 4 4
72 72 72 73 73 73 73 73 73 73 73 73 73	LSKF0442 LSKF0443 LSKF0446 LSKF0447 LSKF0409 LKV60601A LXQKV08139 LKV60602B LXQKV09139 LSGV0029 LXQKV01202 LSGV0030 LKV60501A	CASSETTE DOOR-LID (E) CASSETTE DOOR-LID (F) CASSETTE DOOR-LID (G,H) CASSETTE DOOR-LID (I) CASSETTE DOOR-LID (J) REAR COVER (A,E) REAR COVER (UNIT (B) REAR COVER (C,F) REAR COVER (G) REAR COVER (G) REAR COVER (I) REAR COVER (I) REAR COVER (I)	4 4 4 4 4 4 4 4 4 4
72 72 72 72 73 73 73 73 73 73 73	LSKF0442 LSKF0443 LSKF0446 LSKF0447 LSKF0409 LKV60601A LXQKV08139 LKV60602B LXQKV09139 LSGV0029 LXQKV01202 LSGV0030	CASSETTE DOOR-LID (E) CASSETTE DOOR-LID (F) CASSETTE DOOR-LID (G,H) CASSETTE DOOR-LID (I) CASSETTE DOOR-LID (J) REAR COVER (A,E) REAR COVER (UNIT (B) REAR COVER (C,F) REAR COVER (G) REAR COVER (G) REAR COVER (I) REAR COVER (I) REAR COVER (I)	4 4 4 4 4 4 4 4 4 4
72 72 72 73 73 73 73 73 73 73 73 73 73	LSKF0442 LSKF0443 LSKF0446 LSKF0447 LSKF0409 LKV60601A LXQKV08139 LKV60602B LXQKV09139 LSGV0029 LXQKV01202 LSGV0030 LKV60501A	CASSETTE DOOR-LID (E) CASSETTE DOOR-LID (F) CASSETTE DOOR-LID (G,H) CASSETTE DOOR-LID (I) CASSETTE DOOR-LID (J) REAR COVER (A,E) REAR COVER (A,E) REAR COVER (C,F) REAR COVER (UNIT (D) REAR COVER (G) REAR COVER (I) REAR COVER (I) REAR COVER (I) REAR COVER (J) OPERATION BUTTON (4 4 4 4 4 4 4 4 4 4
72 72 72 72 73 73 73 73 73 73 73 73 73 73 73 84	LSKF0442 LSKF0443 LSKF0446 LSKF0447 LSKF0409 LKV60601A LXQKV08139 LKV60602B LXQKV09139 LSGV0029 LXQKV01202 LSGV0030 LKV60501A LBY61044B	CASSETTE DOOR-LID (E) CASSETTE DOOR-LID (F) CASSETTE DOOR-LID (G,H) CASSETTE DOOR-LID (I) CASSETTE DOOR-LID (J) REAR COVER (A,E) REAR COVER (C,F) REAR COVER (C,F) REAR COVER (G) REAR COVER (I) REAR COVER (I) REAR COVER (J) OPERATION BUTTON (A,B,E,G,H,J) BADGE,ABS RESIN (A,B,C,D,E,F	4 4 4 4 4 4 4 4 4 4 4 4 4
72 72 72 73 73 73 73 73 73 73 73 73 73 84	LSKF0442 LSKF0443 LSKF0446 LSKF0447 LSKF0449 LKV60601A LXQKV08139 LKV60602B LXQKV09139 LSGV0029 LXQKV01202 LSGV0030 LKV60501A LBY61044B LBX61072B TBM153023	CASSETTE DOOR-LID (E) CASSETTE DOOR-LID (F) CASSETTE DOOR-LID (G,H) CASSETTE DOOR-LID (I) CASSETTE DOOR-LID (J) REAR COVER (A,E) REAR COVER (A,E) REAR COVER (C,F) REAR COVER (G) REAR COVER (G) REAR COVER (I) REAR COVER (I) REAR COVER (J) OPERATION BUTTON (A,B,E,G,H,J) DOPERATION BUTTON (C,D,F,I) BADGE,ABS RESIN (A,B,C,D,E,F	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
72 72 72 73 73 73 73 73 73 73 73 73 73 73 84	LSKF0442 LSKF0443 LSKF0446 LSKF0447 LSKF0409 LKV60601A LXQKV08139 LKV60602B LXQKV09139 LSGV0029 LXQKV01202 LSGV0030 LKV60501A LBY61044B	CASSETTE DOOR-LID (E) CASSETTE DOOR-LID (F) CASSETTE DOOR-LID (G,H) CASSETTE DOOR-LID (I) CASSETTE DOOR-LID (J) REAR COVER (A,E) REAR COVER (UNIT (B) REAR COVER (C,F) REAR COVER (G) REAR COVER (I) REAR COVER (I) REAR COVER (J) OPERATION BUTTON (A,B,E,G,H,J) BADGE,ABS RESIN (A,B,C,D,E,F) BADGE,ABS RESIN (G,H,I,J)	4 4 4 4 4 4 4 4 4 4 4 4 4

3			
Ref.	Part No.	Part Name & Description	Remarks
91	LXQUS01202K	TOP SHIELD PLATE ASS'Y (G,H,I)	5
91	LXQUS01203K	TOP SHIELD PLATE ASS Y (J)	5
92	LXQAS01J13		4
92	LXQAS1301S	SPEAKER UNIT (J)	4
100	LSKF0492	BATTERY COVER (A,B,E)	6
100	LSKF0493	BATTERY COVER (C,D,F)	6
100	VKFS2235	BATTERY COVER (G,H,J)	6
100	VKFS2237	BATTERY COVER (I)	6
110	LLJ69006Z	DEGAUSSING COIL (A,B,C,D,E,F	
118	LPE64003A	BAG, POLYETHYLENE (A,B,C,D,E,F)	6
118	LPE64004A	BAG, POLYETHYLENE (G,H,I,J)	6
121	LSPG1439	PACKING CASE, PAPER (A,B)	6
121	LSPG1440	PACKING CASE, PAPER (C,D)	6
121	LSPG1441	PACKING CASE, PAPER (E)	6
121	LSPG1442	PACKING CASE, PAPER (F)	6
121	LSPG1444	PACKING CASE, PAPER (G, H)	6
			_
121	LSPG1445	PACKING CASE, PAPER (I)	6
121	LSPG1446	PACKING CASE, PAPER (J)	6
122	LSQT0664A	INSTRUCTION BOOK (A,C,E,F)	6
122	LSQF0715	FAN BAG (B,D)	6
122	LSQT0665A	INSTRUCTION BOOK (G,I)	6
122	LSQF0716	FAN BAG (H)	6
122	LSQT0666A	INSTRUCTION BOOK (J)	6
123	LSSQ0382	INFRARED REMOTE CONTROL UNIT	6
123	LSSQ0383	INFRARED REMOTE CONTROL UNIT	6
123	LSSQ0380	INFRARED REMOTE CONTROL UNIT	6
123	LSSQ0384	INFRARED REMOTE CONTROL UNIT	6
123	LSSQ0381	INFRARED REMOTE CONTROL UNIT	6
125	LPJ61029A	TOP CUSHION RIGHT, STYROFOAM (A,B,C,D,E,F)	6
125	LPJ61028A	TOP CUSHION RIGHT, STYROFOAM (G,H,I,J)	6
126	LPJ61030A	TOP CUSHION LEFT, STYROFOAM (A,B,C,D,E,F)	6
126	LPJ61027A	G,H,I,J)	6
128	ZLDRS1	SECURITY TAG (A,C,G)	6
131	LPJ62029A	BOTTOM CUSHION FRONT, STYROFOAM (A,B,C,D,E,F	
131	LPJ62027A	BOTTOM CUSHION FRONT, STYROFOAM (G, H, I, J)	6
132	LPJ62030A	BOTTOM CUSHION REAR, STYROFOAM (A,B,C,D,E,F)	6
132	LPJ62028A	BOTTOM CUSHION REAR, STYROFOAM (G,H,I,J)	6
153	TMM7443-1	CLAMPER	5
155	TMM76403-1	CLAMPER (J)	5
200	LKK683010A	PANEL LIGHT (A,B,C,D,E,F)	4
200	LKK683009A	PANEL LIGHT (G,H,I,J)	4
272	TMM77412	CLAMPER	5
291	LML69002A	CLAMPER	5
401	VHDS0475	SCREW, STEEL	1
405	VHDS0496	SCREW W/WASHER, STEEL	5
410	VHDS0498	SCREW W/WASHER, STEEL	1
414	VHNS0070	MAIN CAM PUSH NUT, STEEL	2
			2
422	XWGV2D5G	WASHER, NYLON	
422 424	XWGV2D5G XYC26+SF6J	WASHER, NYLON SCREW W/WASHER, STEEL	1
424	XYC26+SF6J	SCREW W/WASHER, STEEL	1
424 432	XYC26+SF6J XTV3+8JR	SCREW W/WASHER, STEEL TAPPING SCREW, STEEL	1 5
424 432 443	XYC26+SF6J XTV3+8JR XTV4+12A	SCREW W/WASHER, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL (1 5 4
424 432 443 445	XYC26+SF6J XTV3+8JR XTV4+12A THE492-4	SCREW W/WASHER, STEEL TAPPING SCREW, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL (A,B,C,D,E,F)	1 5 4 4
424 432 443 445	XYC26+SF6J XTV3+8JR XTV4+12A THE492-4	SCREW W/WASHER, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL (A,B,C,D,E,F) SCREW, STEEL (G,H,I,J)	1 5 4 4
424 432 443 445 445	XYC26+SF6J XTV3+8JR XTV4+12A THE492-4 LHT60002Y XTV4+16A	SCREW W/WASHER, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL (A,B,C,D,E,F) SCREW, STEEL (G,H,I,J) TAPPING SCREW, STEEL	1 5 4 4 4
424 432 443 445 445 446 449	XYC26+SF6J XTV3+8JR XTV4+12A THE492-4 LHT60002Y XTV4+16A VHDS0493	SCREW W/WASHER, STEEL TAPPING SCREW, STEEL SCREW W/WASHER, STEEL (A,B,C,D,E,F) SCREW, STEEL (G,H,I,J) TAPPING SCREW, STEEL TAPPING SCREW, STEEL	1 5 4 4 4 4 5

Ref. No.	Part No.	Part Name & Description	Remarks
473	XYN26+C6	SCREW W/WASHER, STEEL	1
475	XTV26+5FJ	TAPPING SCREW, STEEL	2
476	XTV3+12G	TAPPING SCREW, STEEL (A,B,C,D,E,F)	4
478	VHDS0495	SCREW, STEEL	2
483	XYN3+F10s	SCREW W/WASHER, STEEL	5
484	XTW3+10J	TAPPING SCREW, STEEL (J)	5
488	XYN3+F6S	SCREW W/WASHER, STEEL (A,B,C,D,E,F,G,H,I)	5
497	XTV3+10J	TAPPING SCREW, SCREW (A,B,C,D,E,F,G,H,I)	5
508	XTB26+6J	TAPPING SCREW, STEEL	2
711	PNA4611M00HC	INFRARED RECEIVER UNIT	5
712	VMTS0035	CUSHION, RUBBER	1
719	VMFS0136	SHEET, NYLON-RAYON (G, H, I, J)	5
728	LUS63008A	HEAT SINK (J)	5
741	LSJA0362	AC CORD W/PLUG,120V (A,B,E,G,H,I,J)	5 🛕
741	LSJA0343	AC CORD W/PLUG,120V (A,B,E,G,H,I,J)	5 ⚠
741	LSJA0364	AC CORD W/PLUG,120V (A,B,E,G,H,I,J)	5 🛕
741	LSJA0363	AC CORD W/PLUG, 120V (C,D,F)	5 🗥
741	LSJA0344	AC CORD W/PLUG, 120V (C,D,F)	5 🗥
741	LSJA0365	AC CORD W/PLUG,120V (C,D,F)	5 🗥
743	ENG36709GL	TUNER, UHF/VHF NR (A,B,C,D,E,F,G,H,I)	5
743	ENG36715G	TUNER, UHF/VHF NR (J)	5
751	LML69001A	ANODE LEAD CLAMPER	5
758	TUC77616	HEAT SINK (A,B,C,D,E,F)	5
760	TUC77628	HEAT SINK (J)	5
766	TUC76677-1	HEAT SINK (A,B,C,D,E,F)	5
767	TUC77626	HEAT SINK (G, H, I)	5
768	TUC77603-1	HEAT SINK (G,H,I,J)	5
769	LUS23005B	HEAT SINK (G,H,I)	5
771	EYF52BC	FUSE HOLDER	5
E10	LSEP2012T	TV/VCR MAIN C.B.A. (A,B,C,D)	5 RTL
E10	LSEP2012S	TV/VCR MAIN C.B.A. (E,F)	5 RTL
E10	LSEP2012C	TV/VCR MAIN C.B.A. (G,H,I)	5 RTL
E10	LSEP2083A	TV/VCR MAIN C.B.A. (J)	5 RTL
E20	LSEP2008A		5 RTL
E20	LSEP2009A	HEAD AMP C.B.A. (E,F,J)	1 RTL
E50	LRP63004D	CRT C.B.A. (A,B,C,D,E,F)	1 RTL
E50	LRP63022B	CRT C.B.A. (G,H,I,J)	5 RTL

SERVICE FIXTURES AND TOOLS

Ref. No.	Part No.	Part Name & Description	Remarks
	VFMS0003H6	VHS ALIGNMENT TAPE	MKE
	VFKS0081	GREASE	MKE
	VFK0329	POST ADJUSTMENT DRIVER	MKE
	VFK27	HEAD CLEANING STICK	MKE
	VFK0330	H-POSITION ADJUSTMENT DRIVER	MKE

12.3. ELECTRICAL REPLACEMENT PARTS LIST

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
PV-C1323	Α
PV-C1323-K	В
PV-C1333W	С
PV-C1333W-K	D
PV-C1343	Е
PV-C1353W	F
PV-C2023	G
PV-C2023-K	Н
PV-C2033W	1
PV-C2063	J
	K

Definition of Parts supplier:

1. All parts are supplied from MKI.

PRINTED CIRCUIT BOARD ASSEMBLY

Ref. No.	Part No.	Part Name & Description	Remarks
E10	LSEP2012T	TV/VCR MAIN C.B.A. (A,B,C,D	E.S.D. RTL
E1 0	LSEP2012S	TV/VCR MAIN C.B.A. (E,F)	E.S.D. RTL
E10	LSEP2012C	TV/VCR MAIN C.B.A. (G,H,I)	E.S.D. RTL
E10	LSEP2083A	TV/VCR MAIN C.B.A. (J)	E.S.D. RTL
E20	LSEP2008A	HRAD AMP C.B.A. (A,B,C,D,G,H,I)	RTL
E20	LSEP2009A	HEAD AMP C.B.A. (E,F,J)	RTL
E50	LRP63004D	CRT C.B.A. (A,B,C,D,E,F)	RTL
E50	LRP63022B	CRT C.B.A. (G,H,I,J)	RTL

12.3.1. TV/VCR MAIN C.B.A.

(Model: A, B, C, D, E, F, G, H, I)

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
PV-C1323	Α
PV-C1323-K	В
PV-C1333W	С
PV-C1333W-K	D
PV-C1343	E
PV-C1353W	F
PV-C2023	G
PV-C2023-K	н
PV-C2033W	1
PV-C2063	J
	K

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC451	C1AA00000024	IC, LINEAR	
IC501	CNC1S101R1KT	IC, LINEAR	Δ
IC501	CNC1S101S1KT	IC, LINEAR	Δ
IC502	CNC1S101R1KT	IC, LINEAR (A,B,C,D,E,F)	Δ
IC502	CNC1S101R2KT	IC, LINEAR (G,H,I)	\triangle
IC801	C5HABZZ00051	IC, LINEAR	\triangle
IC1001	CNC1S101R1KT	IC, LINEAR	\triangle
IC1001	CNC1S101S1KT	IC, LINEAR	\triangle
IC1002	CODAEMZ00005	IC, LINEAR	
IC1002	BlazkD000001	IC, LINEAR	
IC1002	CODAEMZ00001	IC, LINEAR	
IC3001	AN3479FBP-A	IC, LINEAR	
IC3201	MN3885S	IC, CCD 1H DELAY	E.S.D.
IC4501	C1AA00000652	IC, LINEAR	
IC5301	AN15167A-VT	IC, LINEAR	
IC6001	MN101D06FCC	IC, 8BIT MICROCONTROLLER	E.S.D.
IC6002	B3NAA0000049	PHOTO INTERRUPUTER	
IC6003	B3NAA0000049	PHOTO INTERRUPUTER	
IC6004	LSSK0026	IC, 1K EEP ROM	E.S.D.
IC6005	C0EBJ0000080	IC, CMOS STANDARD LOGIC	E.S.D.
IC6005	COEBJ0000099	IC, CMOS STADNARD LOGIC	E.S.D.
IC6005	RN5VS47CA-TR	IC, CMOS STANDARD LOGIC	E.S.D.

Ref.	Part No.	Part Name & Description	Remarks
No.	201722 mo	MDANGEGROD OF DAM	
Q431	2SA733-TQ	TRANSISTOR SI PNP	
Q431	2SA1175	TRANSISTOR SI PNP	
Q431	2SA1175-TH B1AACN000013	TRANSISTOR SI PNP TRANSISTOR SI NPN	
Q501			
Q531	2SA733-TQ 2SA1175	TRANSISTOR SI PNP	
Q531 Q531	2SA1175 2SA1175-TH	TRANSISTOR SI PNP	
	2SC945A-TQ		
Q532		TRANSISTOR SI NPN	
Q532	2SC2785-TH	TRANSISTOR SI NPN	
Q532	2SC2785-TJ	TRANSISTOR SI NPN	A
Q551 	B1BAET000006	TRANSISTOR SI NPN (A,B,C,D,E,F)	Δ
Q551	B1GARRAB0001	TRANSISTOR SI NPN (G,H,I)	Δ
Q571	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q571	B1ABCF000011	TRANSISTOR SI NPN CHIP	i)
Q571	B1ABCF000106	TRANSISTOR SI NPN CHIP	
Q571	B1ABCF000107	TRANSISTOR SI NPN CHIP	
Q581	B1ACBM000001	TRANSISTOR SI NPN	
Q581	2SA17670QA	TRANSISTOR SI PNP CHIP	
Q581	2SB12210QA	TRANSISTOR SI PNP CHIP	
Q801	2SC945A-TKA	TRANSISTOR SI NPN	
Q801	2SC1684-Q	TRANSISTOR SI NPN	
Q801	2SC1684-S	TRANSISTOR SI NPN	
Q801	2SC16840RA	TRANSISTOR SI NPN	
Q801	2SC2785-TE	TRANSISTOR SI NPN	
Q801	2SC2785-TF	TRANSISTOR SI NPN	
Q801	2SC2785-TH	TRANSISTOR SI NPN	
Q801	2SC2785-TJ	TRANSISTOR SI NPN	
Q801	2SC2785-TK	TRANSISTOR SI NPN	
Q801	2SC3311AQA	TRANSISTOR SI NPN	
Q801	2SC3311ARA	TRANSISTOR SI NPN	
Q801	2SC3311ASA	TRANSISTOR SI NPN	
Q801	2SC945A-TPA	TRANSISTOR SI NPN	
Q801	2SC945A-TQA	TRANSISTOR SI NPN	
Q1001	2SC4953001KT	TRANSISTOR SI NPN	Δ
Q1001	B1BADP000012	TRANSISTOR SI NPN	Δ
Q1001	2SC4533003KT	TRANSISTOR SI NPN	Δ
Q1001	2SC5842001KT	TRANSISTOR SI NPN	\triangle
Q1002	2SD225900A	TRANSISTOR SI NPN	
Q1051	B1BACC000010	TRANSISTOR SI PNP CHIP	
Q1051	2SD1581-T	TRANSISTOR SI NPN	
Q1052	2SD0601AHL	TRANSISTOR SI NPN CHIP	
Q1052	BlabCF000011	TRANSISTOR SI NPN CHIP	
Q1052	BlabCF000106	TRANSISTOR SI NPN CHIP	
Q1053	2SD235800A	TRANSISTOR SI NPN CHIP	
Q1053	B1AAQB000002	TRANSISTOR SI NPN CHIP	
Q3001	2SB1218A0L	TRANSISTOR SI PNP CHIP	

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Ref.	Part No.	Part Name & Description	Remarks
No.			
Q3001	BladCF000063	TRANSISTOR SI PNP CHIP	1
Q3001	BladCF000075	TRANSISTOR SI PNP CHIP	
Q3001	B1ADCF000076	TRANSISTOR SI PNP CHIP	
Q3002	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q3002	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q3002	B1ABCF000111	TRANSISTOR SI NPN CHIP	
Q3002	BlabCF000112	TRANSISTOR SI NPN CHIP	
Q3301	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q3301	BlabCF000020	TRANSISTOR SI NPN CHIP	
Q3301	B1ABCF000111	TRANSISTOR SI NPN CHIP	
Q3301	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q4001	2SB1218A0L	TRANSISTOR SI PMP CHIP	
Q4001	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q4001	B1ADCF000075	TRANSISTOR SI PNP CHIP	
Q4001	BladCF000076	TRANSISTOR SI PNP CHIP	
Q4002	2SD1819AHL	TRANSISTOR SI NPN CHIP	
Q4002	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q4003	2SD1819AHL	TRANSISTOR SI NPN CHIP	
Q4003	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q4101	2SD0601ARL	TRANSISTOR SI NPN CHIP	
Q4171	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q4171	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q4171	B1ABCF000106	TRANSISTOR SI NPN CHIP	
Q4171	B1ABCF000107	TRANSISTOR SI NPN CHIP	
Q5301	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q5301	BlabCF000020	TRANSISTOR SI NPN CHIP	
05301	B1ABCF000111	TRANSISTOR SI NPN CHIP	
Q5301	B1ABCF000112	TRANSISTOR SI NPN CHIP	
Q5901	2SD225900A	TRANSISTOR SI NPN	1
Q6001	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q6001	BladCF000001	TRANSISTOR SI PNP CHIP	
Q6002	2SD0601A0L	TRANSISTOR SI NPN CHIP	+
06002	BlabCF000011	TRANSISTOR SI NPN CHIP	+
Q6003	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q6003	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q6004	2SB1218A0L	TRANSISTOR SI PNP CHIP	1
Q6004	B1ADCF000063	TRANSISTOR SI PNP CHIP	+
Q6005	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q6005	BladCF000001	TRANSISTOR SI PNP CHIP	+
Q6005	2SD1819A0L	TRANSISTOR SI NPN CHIP	-
Q6009	VEKS5707	PHOTO SENSOR UNIT	+
F			+
Q6010	VEKS5707	PHOTO SENSOR UNIT	

n	IO	n	F	9

Ref.	Part No.	Part Name & Description	Remarks
No.			
D401	BOEAKL000049	DIODE SI	
D401	B0EAKL000044	DIODE SI	
D401	B0EAKL000045	DIODE SI	
D502	MA2C165001VT	DIODE SI	
D502	B0AACK000004	DIODE SI	
D502	1SS119	DIODE SI	
D503	B0HAGP000011	DIODE SI	
D503	В0НАЈР000012	DIODE SI	
D504	MAZ40470MF	DIODE ZENER 4.7V	
D504	MAZ40470HF	DIODE ZENER 4.7V	
D504	RD4.7ESAB	DIODE ZENER 4.7V	
D504	RD4.7ESAB2	DIODE ZENER 4.7V	
D504	04AZ4.7ZTPA7	DIODE ZENER 4.7V	
D507	MA2C165001VT	DIODE SI	
D507	B0AACK000004	DIODE SI	
D507	188119	DIODE SI	
D553	B0HAGP000011	DIODE SI	
D553	B0HAJP000012	DIODE SI	
D554	BOAAEL000001	DIODE SI	
D554	MA2C16700E	DIODE SI	
D556	MA2C18500E	DIODE SI	
D558	B0HAGP000011	DIODE SI	
D558	В0НАЈР000012	DIODE SI	
D560	ERB44-04V	DIODE SI	
D571	MAZ40470MF	DIODE ZENER 4.7V	
D571	B0BA4R600003	DIODE ZENER 4.7V	
D571	RD4.7ESAB2	DIODE ZENER 4.7V	
D572	MAZ4110NHF	DIODE ZENER 11V	

Ref.	Part No.	Part Name & Description	Remarks
No. D573	MA2C165001VT	DIODE SI	+
D573	B0AACK000004	DIODE SI	+
D573	188119	DIODE SI	
D574	MA2C165001VT	DIODE SI	
D574	B0AACK000004	DIODE SI	
D574	188119	DIODE SI	
D591	D4DDF5R00002	THERMISTOR	Δ
D591	VRPSKF5JM050	THERMISTOR	Δ
D801	B0AAKT000010	DIODE SI	Δ
D801	B0AAKT000009	DIODE SI	Δ
D801	BOEAKT000007	DIODE SI	\triangle
D801	B0EAKT000027	DIODE SI	\triangle
D801	BOEAKT000030	DIODE SI	\triangle
D801	BORALTOOOO04	DIODE SI	Δ
D802	BOAAKT000010	DIODE SI	Δ
D802	BOAAKT000009	DIODE SI	Δ
D802	BOEAKT000007	DIODE SI	Δ
D802	BOEAKT000027	DIODE SI	Δ
D802	BOEAKT000030	DIODE SI	Δ
D802	BOEALT000004	DIODE SI	
D803	BOAAKT000010	DIODE SI	<u> </u>
D803	BOAAKT000009	DIODE SI	<u> </u>
D803	BOEAKT000007	DIODE SI	<u> </u>
D803	BOEAKT000027	DIODE SI	<u> </u>
D803	BOEAKT000030	DIODE SI	<u> </u>
D803	BOEALT000004	DIODE SI	^A
D804	BOAAKT000010	DIODE SI	<u> </u>
D804	BOAAKT000009	DIODE SI	<u> </u>
D804	BOEAKT000007	DIODE SI	<u> </u>
D804	BOEAKT000027	DIODE SI	<u>A</u>
D804	BOEARTOOOO30	DIODE SI	<u> </u>
D804	BOEALTOOOOO4	DIODE SI	
D805	MA2C16700E	DIODE SI	_
D805	BOAAELOOOOO1	DIODE SI	A
D881	ERZV10V361CS	SURGE ABSORBER	<u> </u>
D881 D882	D4EAA3610001 ERZV10V361CS	SURGE ABSORBER SURGE ABSORBER	<u>A</u>
D882	D4EAA3610001	SURGE ABSORBER	Δ
D1001	DB105G	DIODE SI	Δ
D1001	BOEBKR000003	DIODE SI	Δ
D1001	B0EBKR000020	DIODE SI	Δ
D1001	B0EBKR000024	DIODE SI	<u> </u>
D1002	B0HAHP000014	DIODE SI	
D1002	B0HAJP000007	DIODE SI	
D1002	B0HAMP000061	DIODE SI	
D1002	B0HAMP000069	DIODE SI	
D1003	B0HAHP000014	DIODE SI	
D1003	B0HAJP000007	DIODE SI	
D1003	B0HAMP000061	DIODE SI	
D1003	B0HAMP000069	DIODE SI	
D1005	B0HAHP000014	DIODE SI	
D1005	B0HAJP000007	DIODE SI	
D1005	B0HAMP000061	DIODE SI	
D1005	B0HAMP000069	DIODE SI	
D1006	B0HAML000015	DIODE SI	
D1006	B0HANL000012	DIODE SI	
D1008	B0JAME000079	DIODE SI	
D1008	B0JAME000049	DIODE SI	
D1008	B0JANE000011	DIODE SI	
D1008	B0JANE000022	DIODE SI	
D1015	MA2180LA	DIODE ZENER 18V	<u> </u>
D1015	B0BA01800025	DIODE ZENER 18V	Δ.
D1015	1N4746A-T	DIODE ZENER 18V	<u> </u>
D1015	1N4746ARL	DIODE ZENER 18V	
D1016	MA2C165001VT	DIODE SI	
D1016	BOAACKOOOOO4	DIODE SI	+
D1016	188119	DIODE SI	+
D1051	MAZ4110NHF	DIODE ZENER 11V	+
D4171	MA2C165001VT	DIODE SI	+
D4171	BOAACKOOOOO4	DIODE SI	+
D4171	1SS119	DIODE SI	+
D4528	MAZ40390HF	DIODE ZENER 3.9V	
D4591	MAZ41100LF	DIODE ZENER 11V	

Ref. No.	Part No.	Part Name & Description	Remarks
D4591	MAZ4110NHF	DIODE ZENER 11V	
D4592	MAZ41100LF	DIODE ZENER 11V	
D4592	MAZ4110NHF	DIODE ZENER 11V	
D5501	MAZ40620L1KT	DIODE ZENER 6.2V	Λ
D5602	MA2C165001VT	DIODE SI	
D5602	B0AACK000004	DIODE SI	
D5602	155119	DIODE SI	
D5603	MA2C165001VT	DIODE SI	
D5603	B0AACK000004	DIODE SI	
D5603	155119	DIODE SI	
D6001	VEKS5708	SENSOR LED UNIT	
D6003	MA2C165001VT	DIODE SI	
D6003	B0AACK000004	DIODE SI	
D6003	155119	DIODE SI	
D6005	MA2C165001VT	DIODE SI	
D6005	B0AACK000004	DIODE SI	
D6005	155119	DIODE SI	
D6301	B3AAA0000538	LIGHT EMITTING DIODE RED	
D6302	B3ACA0000192	LIGHT EMITTING DIODE ORANGE	
D6303	B3ABA0000400	LIGHT EMITTING DIODE GREEN	

		RESISTORS	
Ref. No.	Part No.		Remarks
R401	ERDS2TJ821	CARBON 1/4W 820 (A,B,C,D,E,F	
R401	ERDS2TJ471	CARBON 1/4W 470 (G,H,I)	
R402	ERJ6GEYJ183V	MGF CHIP 1/10W 18K (A,B,C,D,E,F)	
R402	ERJ6GEYJ223V	MGF CHIP 1/10W 22K (G,H,I)	
R409	ERJ6GEYJ273V	MGF CHIP 1/10W 27K (A,B,C,D,E,F)	
R409	ERJ6GEYJ333V	MGF CHIP 1/10W 33K (G,H,I)	
R410	ERDS2TJ152	CARBON 1/4W 1.5K (A,B,C,D,E,F)	
R410	ERDS2TJ392	CARBON 1/4W 3.9K (G,H,I)	
R411	ERJ6GEYJ823V	MGF CHIP 1/10W 82K	
R413	ERJ6GEYJ183V	MGF CHIP 1/10W 18K (A,B,C,D,E,F)	
R413	ERJ6GEYJ273V	MGF CHIP 1/10W 27K (G,H,I)	
R414	ERDS1FJ2R2	CARBON 1/2W 2.2 (A,B,C,D,E,F	Δ
R414	ERDS1FJ1R2P	CARBON 1/2W 1.2 (G,H,I)	⚠
R422	ERD25FJ101P	CARBON 1/4W 100	⚠
R427	ERQ14ZJ1R5P	FUSE 1/4W 1.5(A,B,C,D,E,F)	⚠
R427	ERQ14AJ5R6P	FUSE 1/4W 5.6 (G,H,I)	Δ
R431	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R432	ERJ6GEYJ473V	MGF CHIP 1/10W 47K (A,B,C,D,E,F)	
R432	ERJ6GEYJ563V	MGF CHIP 1/10W 56K (G,H,I)	
R433	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R434	ERDS2TJ103	CARBON 1/4W 10K	
R435	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R436	ERJ6GEYJ104V	MGF CHIP 1/10W 100K	
R466	ERJ6GEYJ683V	MGF CHIP 1/10W 68K	
R468	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R471	ERDS1FJ152P	CARBON 1/2W 1.5K	Δ
R472	ERDS2TJ332	CARBON 1/4W 3.3K	
R480	ERDS2TJ332	CARBON 1/4W 3.3K (G,H,I)	
R501	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R502 R503	ERJ6GEYJ332V EROS2THF9101	MGF CHIP 1/10W 3.3K PRECISION METAL FILM 1/4W	Δ
R503	EROS2TKF9101	PRECISION METAL FILM 1/4W	Δ
R503	VRESR4TF9101	9.1k (A,E,C,D,E,F) PRECISION METAL FILM 1/4W	Δ
R503	EROS2THF8201	9.1k (A,B,C,D,E,F) PRECISION METAL FILM 1/4W 8.2k (G,H,I)	Δ
R503	EROS2TKF8201	PRECISION METAL FILM 1/4W 8.2K (G,H,I)	Δ
R503	VRESR4TF8201	PRECISION METAL FILM 1/4W 8.2K (G,H,I)	Δ
R504	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R505	ERDS2TJ561	CARBON 1/4W 560	
	ERDS2TJ101	CARBON 1/4W 100	

Ref.			
	Part No.	Part Name & Description	Remarks
R511	ERG2ANJ222H	METAL OXIDE 2W 2.2K	
R516	LAR05272J09	W FLMPRF 5W 2.7K (
KOTO	HAR052/2009	A,B,C,D,E,F)	
R516	LAR05222J09	W FLMPRF 5W 2.2K (G,H,I)	- 1
R517	ERDS2TJ472	CARBON 1/4W 4.7K	
R519	ERDS2TJ123	CARBON 1/4W 12K	
R520	ERDS2TJ562	CARBON 1/4W 5.6K	·
R525	ERDS2TJ122	CARBON 1/4W 1.2K	
R529	ERDS2TJ103	CARBON 1/4W 10K	
R531	ERDS2TJ223	CARBON 1/4W 10K	
R533	ERDS2TJ332	CARBON 1/4W 3.3K (
K333	BRD5210332	A,B,C,D,E,F)	
R533	ERDS2TJ152	CARBON 1/4W 1.5K (G,H,I)	
R534	ERDS2TJ681	CARBON 1/4W 680	
R535	ERDS2TJ471	CARBON 1/4W 470	
R536	ERG2ANJ153H	METAL OXIDE 2W 15K	
R536	ERG2ANJP153H	METAL OXIDE 2W 15K	
R537			
	ERG2ANJ153H	METAL OXIDE 2W 15K	
R537	ERG2ANJP153H	METAL OXIDE 2W 15K	
R538	ERDS2TJ473	CARBON 1/4W 47K	
R539	ERDS2TJ473	CARBON 1/4W 47K	
R540	ERDS2TJ562	CARBON 1/4W 5.6K	
R541	ERDS2TJ222	CARBON 1/4W 2.2K	
R542	ERDS2TJ473	CARBON 1/4W 47K	
R543	ERDS2TJ102	CARBON 1/4W 1K	
R544	ERDS2TJ101	CARBON 1/4W 100	
R545	ERDS2TJ152	CARBON 1/4W 1.5K	
R546	ERDS2TJ223	CARBON 1/4W 22K	
R552	ERDS2TJ472	CARBON 1/4W 4.7K	
R553	ERDS2TJ102	CARBON 1/4W 1K	
R554	ERDS2TJ103	CARBON 1/4W 10K (A,B,C,D,E,F	
)	
R554	ERDS2TJ123	CARBON 1/4W 12K (G,H,I)	
R555	ERDS2TJ154	CARBON 1/4W 150K (
		A,B,C,D,E,F)	
R555	ERDS2TJ823	CARBON 1/4W 82K (G,H,I)	
R556	ERDS2TJ823	CARBON 1/4W 82K	
R557	ERG2SJ471H	METAL OXIDE 2W 470 (A,B,C,D,E,F)	
R557	ERG2SJ331H	METAL OXIDE 2W 330 (G,H,I)	
R558	ERG2ANJ471H	METAL OXIDE 2W 470 (
		A,B,C,D,E,F)	
R558	ERG2ANJ561H	METAL OXIDE 2W 560 (G,H,I)	
R559	ERDS2TJ123	CARBON 1/4W 12K (G,H,I)	
R561	ERQ1CJP2R2S	FUSE 1W 2.2 (A,B,C,D,E,F)	\triangle
R561	ERQ1CKPR47S	FUSE 1W 0.47 (G,H,I)	
R562			Δ
	ERF2AK3R9P	W FLMPRF 2W 3.9 (G,H,I)	Δ
		W FLMPRF 2W 3.9 (G,H,I)	Δ
R571	ERF2AK3R9P ERDS2TJ101 ERJ6GEYJ331V	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100	Δ
R571 R572	ERDS2TJ101 ERJ6GEYJ331V	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330	Δ
R571 R572 R573	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220	Δ
R571 R572 R573 R574	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K	
R571 R572 R573	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220	
R571 R572 R573 R574	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F	A
R571 R572 R573 R574 R581	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I)	Δ.
R571 R572 R573 R574 R581	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ1R5P	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F)	Δ.
R571 R572 R573 R574 R581	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ1R5P	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 3.9 (A,B,C,D,E,F	Δ.
R571 R572 R573 R574 R581 R581	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ1R5P ERDS1FJ3R9P	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIF 1/10W 330 CARBON 1/4W 220 MGF CHIF 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 3.9 (A,B,C,D,E,F)	Δ Δ
R571 R572 R573 R574 R581 R581 R582 R582 R582	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ3R5P ERDS1FJ3R9P	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 3.9 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 1.5 (G,H,I) CARBON 1/4W 5.6K (A,B,C,D,E,F)	Δ Δ
R571 R572 R573 R574 R581 R581 R582	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ3R5P ERDS1FJ3R9P	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIF 1/10W 330 CARBON 1/4W 220 MGF CHIF 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 3.9 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 1.5 (G,H,I) CARBON 1/4W 5.6K (Δ Δ
R571 R572 R573 R574 R581 R581 R582 R582 R582	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ3R5P ERDS1FJ3R9P ERDS1FJ1R5P ERDS2TJ562	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 3.9 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 1.5 (G,H,I) CARBON 1/4W 5.6K (A,B,C,D,E,F)	Δ Δ
R571 R572 R573 R574 R581 R581 R582 R582 R582 R584	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ3R5P ERDS1FJ3R9P ERDS1FJ3R5P ERDS2TJ562 ERDS2TJ272	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 3.9 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 1.5 (G,H,I) CARBON 1/4W 5.6K (A,B,C,D,E,F) CARBON 1/4W 2.7K (G,H,I)	Δ Δ
R571 R572 R573 R574 R581 R581 R582 R582 R584 R584 R584	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ1R5P ERDS1FJ1R5P ERDS1FJ1R5P ERDS2TJ562 ERDS2TJ562 ERDS2TJ72	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 3.9 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 1.5 (G,H,I) CARBON 1/4W 5.6K (A,B,C,D,E,F) CARBON 1/4W 2.7K (G,H,I) CARBON 1/4W 2.7K (G,H,I)	Δ Δ
R571 R572 R573 R574 R581 R581 R582 R582 R584 R584 R584 R585 R586	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ1R5P ERDS1FJ3R9P ERDS1FJ1R5P ERDS2TJ562 ERDS2TJ562 ERDS2TJ572 ERDS2TJ473 ERDS2TJ393	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 3.9 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 1.5 (G,H,I) CARBON 1/4W 5.6K (A,B,C,D,E,F) CARBON 1/4W 2.7K (G,H,I) CARBON 1/4W 47K CARBON 1/4W 39K	Δ Δ Δ
R571 R572 R573 R574 R581 R581 R582 R582 R584 R584 R584 R585 R586 R801	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ1R5P ERDS1FJ3R9P ERDS1FJ1R5P ERDS2TJ562 ERDS2TJ562 ERDS2TJ473 ERDS2TJ473 ERDS2TJ393 ERF3AKR82	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 3.9 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/4W 5.6K (A,B,C,D,E,F) CARBON 1/4W 5.6K (A,B,C,D,E,F) CARBON 1/4W 2.7K (G,H,I) CARBON 1/4W 47K CARBON 1/4W 39K W FLMPRF 3W 0.82	Δ Δ Δ
R571 R572 R573 R574 R581 R581 R582 R582 R584 R584 R584 R585 R586 R801 R802	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ1R5P ERDS1FJ3R9P ERDS1FJ1R5P ERDS2TJ562 ERDS2TJ562 ERDS2TJ473 ERDS2TJ473 ERDS2TJ393 ERF3AKR82 ERDS1FJ103P	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 3.9 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 1.5 (G,H,I) CARBON 1/4W 3.9 (A,B,C,D,E,F) CARBON 1/4W 2.7K (G,H,I) CARBON 1/4W 47K CARBON 1/4W 47K CARBON 1/4W 39K W FLMPRF 3W 0.82 CARBON 1/2W 10K CARBON 1/2W 10K CARBON 1/2W 10K	Δ Δ Δ Δ
R571 R572 R573 R574 R581 R581 R582 R582 R584 R584 R585 R586 R801 R802 R802 R802	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ1R5P ERDS1FJ3R9P ERDS1FJ1R5P ERDS2TJ562 ERDS2TJ562 ERDS2TJ72 ERDS2TJ473 ERDS2TJ473 ERDS2TJ393 ERF3AKR82 ERDS1FJ103P ERDS1FFJ103 ERF10ZJ331	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 3.9 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 1.5 (G,H,I) CARBON 1/4W 3.9 (A,B,C,D,E,F) CARBON 1/4W 2.7K (G,H,I) CARBON 1/4W 2.7K (G,H,I) CARBON 1/4W 47K CARBON 1/4W 39K W FLMPRF 3W 0.82 CARBON 1/2W 10K CARBON 1/2W 10K W FLMPRF 10W 330 (A,B,C,D,E,F)	Δ Δ Δ Δ
R571 R572 R573 R574 R581 R581 R582 R582 R584 R584 R585 R586 R801 R802 R802 R804	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ1R5P ERDS1FJ1R5P ERDS2TJ562 ERDS2TJ562 ERDS2TJ562 ERDS2TJ473 ERDS2TJ473 ERDS2TJ393 ERF3AKR82 ERDS1FJ103P ERDS1FJ103P ERDS1FJ103 ERF10ZJ331	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 3.9 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 1.5 (G,H,I) CARBON 1/4W 3.9 (A,B,C,D,E,F) CARBON 1/4W 2.7K (G,H,I) CARBON 1/4W 2.7K (G,H,I) CARBON 1/4W 47K CARBON 1/4W 39K W FLMPRF 3W 0.82 CARBON 1/2W 10K CARBON 1/2W 10K CARBON 1/2W 10K CARBON 1/2W 10K W FLMPRF 10W 330 (A,B,C,D,E,F) W FLMPRF 15W 180 (G,H,I)	Δ Δ Δ Δ
R571 R572 R573 R574 R581 R581 R582 R582 R584 R584 R585 R586 R801 R802 R802 R804 R804	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ1R5P ERDS1FJ3R9P ERDS1FJ1R5P ERDS2TJ562 ERDS2TJ562 ERDS2TJ562 ERDS2TJ473 ERDS2TJ473 ERDS2TJ393 ERF3AKR82 ERDS1FJ103P ERDS1FJ103P ERDS1FJ103P ERDS1FJ104	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 3.9 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 1.5 (G,H,I) CARBON 1/4W 3.9 (A,B,C,D,E,F) CARBON 1/4W 2.7K (G,H,I) CARBON 1/4W 2.7K (G,H,I) CARBON 1/4W 47K CARBON 1/4W 39K W FLMPRF 3W 0.82 CARBON 1/2W 10K CARBON 1/2W 10K W FLMPRF 10W 330 (A,B,C,D,E,F) W FLMPRF 15W 180 (G,H,I) CARBON 1/4W 100K	Δ Δ Δ Δ
R571 R572 R573 R574 R581 R581 R582 R582 R584 R586 R801 R802 R802 R804 R804 R804 R805 R806	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ1R5P ERDS1FJ3R9P ERDS1FJ1R5P ERDS2TJ562 ERDS2TJ562 ERDS2TJ562 ERDS2TJ473 ERDS2TJ473 ERDS2TJ393 ERF3AKR82 ERDS1FJ103P ERDS1FJ103P ERDS1FJ104 ERF15ZJ181 ERFS2TJ104 ERQ14AJ470P	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 3.9 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 1.5 (G,H,I) CARBON 1/4W 3.9 (A,B,C,D,E,F) CARBON 1/4W 2.7K (G,H,I) CARBON 1/4W 47K CARBON 1/4W 47K CARBON 1/4W 39K W FLMPRF 3W 0.82 CARBON 1/2W 10K CARBON 1/2W 10K CARBON 1/2W 10K W FLMPRF 10W 330 (A,B,C,D,E,F) W FLMPRF 15W 180 (G,H,I) CARBON 1/4W 100K FUSE 1/4W 47	Δ Δ Δ Δ
R571 R572 R573 R574 R581 R581 R582 R582 R582 R584 R586 R801 R802 R802 R804 R804 R806 R801 R807	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ1R5P ERDS1FJ1R5P ERDS2TJ562 ERDS2TJ562 ERDS2TJ562 ERDS2TJ772 ERDS2TJ473 ERDS2TJ393 ERF3AKR62 ERDS1FJ103P ERDS1FJ103P ERDS1FJ104 ERF15ZJ181 ERFS2TJ104 ERQ14AJ470P ERDS2TJ103	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 3.9 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 1.5 (G,H,I) CARBON 1/4W 5.6K (A,B,C,D,E,F) CARBON 1/4W 2.7K (G,H,I) CARBON 1/4W 47K CARBON 1/4W 39K W FLMPRF 3W 0.82 CARBON 1/2W 10K CARBON 1/2W 10K CARBON 1/2W 10K W FLMPRF 10W 330 (A,B,C,D,E,F) W FLMPRF 15W 180 (G,H,I) CARBON 1/4W 100K FUSE 1/4W 47 CARBON 1/4W 10K	Δ Δ Δ Δ
R571 R572 R573 R574 R581 R581 R582 R582 R584 R586 R801 R802 R802 R804 R804 R804 R805 R806	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ1R5P ERDS1FJ3R9P ERDS1FJ3R9P ERDS2TJ562 ERDS2TJ562 ERDS2TJ473 ERDS2TJ474 ERQ14AJ470P ERDS2TJ104 ERQ14AJ470P	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 3.9 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/4W 5.6K (A,B,C,D,E,F) CARBON 1/4W 5.6K (A,B,C,D,E,F) CARBON 1/4W 2.7K (G,H,I) CARBON 1/4W 39K W FLMPRF 3W 0.82 CARBON 1/2W 10K CARBON 1/2W 10K CARBON 1/2W 10K FLMPRF 15W 180 (G,H,I) CARBON 1/4W 100K FUSE 1/4W 47 CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K	 ♠ ♠ ♠ ♠ ♠ ♠
R571 R572 R573 R574 R581 R581 R582 R582 R582 R584 R586 R801 R802 R802 R804 R804 R806 R801 R807	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ1R5P ERDS1FJ1R5P ERDS2TJ562 ERDS2TJ562 ERDS2TJ562 ERDS2TJ772 ERDS2TJ473 ERDS2TJ393 ERF3AKR62 ERDS1FJ103P ERDS1FJ103P ERDS1FJ104 ERF15ZJ181 ERFS2TJ104 ERQ14AJ470P ERDS2TJ103	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 3.9 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 1.5 (G,H,I) CARBON 1/4W 5.6K (A,B,C,D,E,F) CARBON 1/4W 2.7K (G,H,I) CARBON 1/4W 47K CARBON 1/4W 39K W FLMPRF 3W 0.82 CARBON 1/2W 10K CARBON 1/2W 10K CARBON 1/2W 10K W FLMPRF 10W 330 (A,B,C,D,E,F) W FLMPRF 15W 180 (G,H,I) CARBON 1/4W 100K FUSE 1/4W 47 CARBON 1/4W 10K	Δ Δ Δ Δ
R571 R572 R573 R574 R581 R581 R582 R582 R582 R584 R586 R801 R802 R802 R804 R804 R806 R801 R807 R808	ERDS2TJ101 ERJ6GEYJ331V ERDS2TJ221 ERJ6GEYJ273V ERDS1FJ2R2 ERDS1FJ1R5P ERDS1FJ3R9P ERDS1FJ3R9P ERDS2TJ562 ERDS2TJ562 ERDS2TJ473 ERDS2TJ474 ERQ14AJ470P ERDS2TJ104 ERQ14AJ470P	W FLMPRF 2W 3.9 (G,H,I) CARBON 1/4W 100 MGF CHIP 1/10W 330 CARBON 1/4W 220 MGF CHIP 1/10W 27K CARBON 1/2W 2.2 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/2W 3.9 (A,B,C,D,E,F) CARBON 1/2W 1.5 (G,H,I) CARBON 1/4W 5.6K (A,B,C,D,E,F) CARBON 1/4W 5.6K (A,B,C,D,E,F) CARBON 1/4W 2.7K (G,H,I) CARBON 1/4W 39K W FLMPRF 3W 0.82 CARBON 1/2W 10K CARBON 1/2W 10K CARBON 1/2W 10K FLMPRF 15W 180 (G,H,I) CARBON 1/4W 100K FUSE 1/4W 47 CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K CARBON 1/4W 10K	Δ Δ Δ Δ

Ref. No.	Part No.	Part Name & Description	Remark
R1004	ERG2SJ333H	METAL OXIDE 2W 33K	
R1005	ERG1SJ560P	METAL OXIDE 1W 56	
R1006	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R1007	ERDS2TJ101	CARBON 1/4W 100	
R1008	ERDS2TJ392	CARBON 1/4W 3.9K	
R1010	ERD25FJ100P	CARBON 1/4W 10	<u> </u>
R1010	ERD25FPJ100P	CARBON 1/4W 10	<u> </u>
R1010	VRESF4FJ100P	CARBON 1/4W 10	Δ
R1014	ERJ6GEYJ221V	MGF CHIP 1/10W 220 MGF CHIP 1/10W 2.2K	
R1015 R1016	ERJ6GEYJ222V ERJ6GEYJ102V	MGF CHIP 1/10W 2.2K	- L
R1017	D1BD2431A016	MGF CHIP 1/10W 1K	
R1018	D0HD222ZA002	MGF CHIP 1/10W 2.2K	
R1025	ERDS2TJ300T	CARBON 1/4W 30	
R1026	ERDS2TJ300T	CARBON 1/4W 30	
R1051	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R1052	ERDS2TJ153	CARBON 1/4W 15K	
R1053	ERDS2TJ153	CARBON 1/4W 15K	
R1057	ERDS2TJ331	CARBON 1/4W 330	
R1058	ERJ6GEYJ104V	MGF CHIP 1/10W 100K	
R3001	ERDS2TJ101	CARBON 1/4W 100	
R3006	ERDS2TJ101	CARBON 1/4W 100	
R3016	ERJ6GEYJ121V	MGF CHIP 1/10W 120	
R3017	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R3024	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R3025	ERJ6GEYJ125V	MGF CHIP 1/10W 1.2M	
R3026	ERJ6GEYJ474V	MGF CHIP 1/10W 470K	
R3028	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R3029	ERJ6GEYJ151V	MGF CHIP 1/10W 150	
R3032	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R3035	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R3036	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R3037	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R3038	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R3044	ERJ6GEYG562V	MGF CHIP (A,B,C,D,G,H,I)	
R3045	ERJ6GEYG222V	MGF CHIP 1/10W 2.2K	(
R3047	ERJ6GEYG102V	A,B,C,D,G,H,I	(
R3077	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R3084	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R3086	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R3091	ERJ6GEYJ750V	MGF CHIP 1/10W 75	
R3301	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R3302	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R3303	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R4001	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4002	ERJ6GEYJ334V	MGF CHIP 1/10W 330K	
R4003	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R4004	ERJ6GEYJ333V	MGF CHIP 1/10W 33K	
R4005	ERJ6GEYJ225V	MGF CHIP 1/10W 2.2M	
R4006	ERJ6GEYJ681V	MGF CHIP 1/10W 680	
R4007	ERJ6GEYJ821V	MGF CHIP 1/10W 820	
R4008	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	ļ
R4009	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4010	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4011	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	-
R4012	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	
R4014	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R4015	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	-
R4018	ERJ6GEYJ123V	MGF CHIP 1/10W 12K	1
R4021	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	1
R4101	ERJ6GEYJ563V	MGF CHIP 1/10W 56K	+
R4102	ERJ6GEYJ154V	MGF CHIP 1/10W 150K	+
R4103	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	+
R4172	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4175	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	-
R4502	ERJ6GEYJ102V ERJ6GEYJ823V	MGF CHIP 1/10W 1K	
R4504	ERDS2TJ100	MGF CHIP 1/10W 82K	+
P4500	TOTAL STREET	CARBON 1/4W 10	
R4509		FUSE 1W 4.7	A
R4509 R4521 R4523	ERQ1ABJP4R7S ERJ6GEY0R00V	FUSE 1W 4.7 MGF CHIP 1/10W 0	<u> </u>

Ref.	Part No.	Part Name & Description	Remarks
R4592	ERDS2TJ681	CARBON 1/4W 680	
R4593	ERDS2TJ681	CARBON 1/4W 680	
R4594	ERDS2TJ681	CARBON 1/4W 680	
R4701	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R5301	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R5304	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R5305	ERJ6GEYJ224V	MGF CHIP 1/10W 220K	
R5306	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R5308	ERJ6GEYJ563V	MGF CHIP 1/10W 56K	
R5309	ERJ6GEYJ274V	MGF CHIP 1/10W 270K	
R5311	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R5312	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R5313	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R5314	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R5315	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R5316	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R5317	ERDS2TJ101	CARBON 1/4W 100	
R5324	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5401	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R5402	ERJ6GEYJ394V	MGF CHIP 1/10W 390K	
R5403	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R5405	ERJ6GEYJ822V	MGF CHIP 1/10W 8.2K	
R5406	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5501	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R5502	ERJ6GEYJ394V	MGF CHIP 1/10W 390K	
R5503	ERDS2TJ471	CARBON 1/4W 470	
R5504	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5505	ERJ6ENF3241V	MGF CHIP 1/10W 3.24K	Δ
R5506	ERDS2TJ473	CARBON 1/4W 47K	
R5508	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R5510	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5511	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R5512	ERDS2TJ151	CARBON 1/4W 150	
R5513	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5601	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R5604	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R5611	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R5612	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R5614	ERJ6GEYJ563V	MGF CHIP 1/10W 56K	
R5902	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R5932	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5933	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6001	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6002	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6003	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6004	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6005	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6007	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6008	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6014	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6015	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6016	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6017	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6018	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6019	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6021	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6022	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R6023	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6024	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6025	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R6026	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6028	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6029	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6030	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6032	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R6035	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6040	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6041	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6042	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6044	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6045	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6046	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6049	ERJ6GEY0R00V	MGF CHIP 1/10W 5	

R6053 ER R6054 ER R6055 ER R6057 ER R6058 ER R6059 ER R6060 ER R6061 ER R6061 ER R6064 ER R6066 ER R6067 ER R6067 ER R6080 ER R6081 ER R6081 ER R6082 ER R6081 ER R6082 ER R6090 ER R6091 ER R6092 ER R6099 ER	Part No. RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ101V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V	Part Name & Description MGF CHIP 1/10W 1K MGF CHIP 1/10W 2.2K MGF CHIP 1/10W 1K MGF CHIP 1/10W 100 MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1C MGF CHIP 1/10W 1C MGF CHIP 1/10W 1C MGF CHIP 1/10W 1C MGF CHIP 1/10W 1C MGF CHIP 1/10W 1C MGF CHIP 1/10W 1C MGF CHIP 1/10W 1C MGF CHIP 1/10W 1C MGF CHIP 1/10W 1C MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1C MGF CHIP 1/10W 1C MGF CHIP 1/10W 1C MGF CHIP 1/10W 1.2K MGF CHIP 1/10W 1.2K	Remarks
R6053 EH R6054 EH R6055 EF R6057 EH R6058 EH R6065 EH R6060 EH R6061 EH R6062 EH R6063 EH R6064 EH R6066 EH R6067 EH R6067 EH R607 EH R6080 EH R6081 EH R6081 EH R6082 EH R6090 EH R6091 EH R6091 EH R6091 EH R6092 EH R6099 EH R6099 EH	RJ6GEYJ222V RJ6GEYJ102V RJ6GEYJ101V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ122V RJ6GEYJ103V RJ6GEYJ103V	MGF CHIP 1/10W 2.2K MGF CHIP 1/10W 1K MGF CHIP 1/10W 100 MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 10K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1.2K MGF CHIP 1/10W 1.2K	
R6054 EH R6055 EH R6057 EH R6058 EH R6059 EH R6060 EH R6061 EH R6062 EH R6063 EH R6064 EH R6066 EH R6067 EH R6077 EH R6077 EH R6078 EH R6080 EH R6081 EH R6081 EH R6082 EH R6081 EH R6082 EH R6081 EH R6082 EH R6082 EH R6082 EH R6090 EH R6090 EH R6090 EH R6099 EH	RJ6GEYJ102V RJ6GEYJ101V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ122V RJ6GEYJ103V RJ6GEYJ103V	MGF CHIP 1/10W 1K MGF CHIP 1/10W 100 MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 10K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1.2K MGF CHIP 1/10W 1.2K	
R6055 EH R6057 EH R6058 EH R6059 EH R6060 EH R6061 EH R6062 EH R6064 EH R6066 EH R6067 EH R6077 EH R6077 EH R6078 EH R6080 EH R6081 EH R6081 EH R6082 EH R6082 EH R6090 EH R6091 EH R6092 EH R6099 EH R6099 EH	RJ6GEYJ101V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V	MGF CHIP 1/10W 100 MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 10K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1.2K MGF CHIP 1/10W 1.2K	
R6057 EH R6058 EH R6059 EH R6060 EH R6061 EH R6062 EH R6063 EH R6066 EH R6067 EH R6077 EH R6077 EH R6078 EH R6080 EH R6081 EH R6081 EH R6082 EH R6082 EH R6090 EH R6091 EH R6092 EH R6099 EH R6099 EH	RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ103V	MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 10K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1.2K MGF CHIP 1/10W 1.2K	
R6058 EI R6059 EI R6060 EI R6061 EI R6062 EI R6063 EI R6064 EI R6066 EI R6067 EI R6077 EI R6078 EI R6080 EI R6081 EI R6081 EI R6082 EI R6090 EI R6091 EI R6092 EI R6099 EI R6099 EI	RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V	MGF CHIP 1/10W 1K MGF CHIP 1/10W 2.2K MGF CHIP 1/10W 1K MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 10K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1.2K MGF CHIP 1/10W 1.2K	
R6059 EH R6060 EH R6061 EH R6062 EH R6063 EH R6064 EH R6066 EH R6067 EH R6077 EH R6078 EH R6080 EH R6081 EH R6082 EH R6082 EH R6090 EH R6091 EH R6092 EH R6099 EH R6099 EH	RJ6GEYJ222V RJ6GEYJ102V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V	MGF CHIP 1/10W 2.2K MGF CHIP 1/10W 1K MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 10K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1.2K	
R6060 EH R6061 EH R6062 EH R6063 EH R6064 EH R6066 EH R6067 EH R6077 EH R6078 EH R6080 EH R6081 EH R6082 EH R6090 EH R6091 EH R6092 EH R6099 EH R6099 EH	RJ6GEYJ102V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V	MGF CHIP 1/10W 1K MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 10K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1.2K MGF CHIP 1/10W 1.2K	
R6061 EH R6062 EH R6063 EH R6064 EH R6066 EH R6067 EH R6077 EH R6078 EH R6080 EH R6081 EH R6082 EH R6080 EH R6090 EH R6091 EH R6092 EH R6099 EH R6099 EH	RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V	MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 10K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1.2K	
R6062 EH R6063 EH R6064 EH R6066 EH R6067 EH R6077 EH R6078 EH R6080 EH R6081 EH R6082 EH R6082 EH R6090 EH R6091 EH R6092 EH R6099 EH R6099 EH	RJ6GEYJ101V RJ6GEYJ101V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V	MGF CHIP 1/10W 100 MGF CHIP 1/10W 100 MGF CHIP 1/10W 10K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 10K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1.2K MGF CHIP 1/10W 1.2K	
R6063 EF R6064 EF R6066 EF R6067 EF R6077 EF R6078 EF R6080 EF R6081 EF R6082 EF R6090 EF R6091 EF R6092 EF R6099 EF R6099 EF	RJ6GEYJ101V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ122V RJ6GEYJ122V RJ6GEYJ103V RJ6GEYJ103V RJ6GEYJ103V	MGF CHIP 1/10W 100 MGF CHIP 1/10W 10K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 10K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1.2K	
R6064 EH R6066 EH R6067 EH R6077 EH R6078 EH R6080 EH R6081 EH R6082 EH R6082 EH R6090 EH R6091 EH R6092 EH R6099 EH R6099 EH	RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ122V RJ6GEYJ122V RJ6GEYJ103V RJ6GEYJ103V	MGF CHIP 1/10W 10K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 10K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1.2K MGF CHIP 1/10W 1.2K	
R6066 EI R6067 EI R6077 EI R6078 EI R6080 EI R6081 EI R6082 EI R6090 EI R6091 EI R6092 EI R6099 EI R6099 EI	RJ6GEYJ102V RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ122V RJ6GEYJ122V RJ6GEYJ103V RJ6GEYJ471V	MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 10K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1.2K MGF CHIP 1/10W 1.2K	
R6067 EH R6077 EH R6078 EH R6080 EH R6081 EH R6082 EH R6090 EH R6091 EH R6092 EH R6099 EH R6099 EH	RJ6GEYJ102V RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ122V RJ6GEYJ122V RJ6GEYJ103V RJ6GEYJ471V	MGF CHIP 1/10W 1K MGF CHIP 1/10W 10K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1.2K MGF CHIP 1/10W 1.2K	
R6077 EH R6078 EH R6080 EH R6081 EH R6082 EH R6090 EH R6091 EH R6092 EH R6099 EH	RJ6GEYJ103V RJ6GEYJ102V RJ6GEYJ122V RJ6GEYJ122V RJ6GEYJ103V RJ6GEYJ471V	MGF CHIP 1/10W 10K MGF CHIP 1/10W 1K MGF CHIP 1/10W 1.2K MGF CHIP 1/10W 1.2K	
R6078 EI R6080 EI R6081 EI R6082 EI R6090 EI R6091 EI R6092 EI R6099 EI	RJ6GEYJ102V RJ6GEYJ122V RJ6GEYJ122V RJ6GEYJ103V RJ6GEYJ471V	MGF CHIP 1/10W 1K MGF CHIP 1/10W 1.2K MGF CHIP 1/10W 1.2K	
R6080 EH R6081 EH R6082 EH R6090 EH R6091 EH R6092 EH R6098 EH	RJ6GEYJ122V RJ6GEYJ122V RJ6GEYJ103V RJ6GEYJ471V	MGF CHIP 1/10W 1.2K MGF CHIP 1/10W 1.2K	
R6081 EN R6082 EN R6090 EN R6091 EN R6092 EN R6098 EN R6099 EN	RJ6GEYJ122V RJ6GEYJ103V RJ6GEYJ471V	MGF CHIP 1/10W 1.2K	
R6082 EF R6090 EF R6091 EF R6092 EF R6098 EF R6099 EF	RJ6GEYJ103V RJ6GEYJ471V	·	L
R6090 EF R6091 EF R6092 EF R6098 EF R6099 EF	RJ6GEYJ471V	4 /4 0-2 4 0-2	
R6091 ER R6092 ER R6098 ER R6099 ER		MGF CHIP 1/10W 10K	
R6092 EF R6098 EF R6099 EF	R.TEGRY.T471V	MGF CHIP 1/10W 470	<u> </u>
R6098 EF	NO COMES I. I.	MGF CHIP 1/10W 470	
R6099 EF	RJ6GEYJ471V	MGF CHIP 1/10W 470	
	RJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6100 EF	RJ6GEYJ153V	MGF CHIP 1/10W 15K (E,F)	
	RJ6GEYJ153V	MGF CHIP 1/10W 15K (E,F)	
R6113 EF	RJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6114 EF	RJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R6115 EF	RJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6116 EF	RDS2TJ101	CARBON 1/4W 100	
R6118 EF	RJ6GEYJ104V	MGF CHIP 1/10W 100K	
R6119 EF	RJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6120 EF	RJ6GEYJ104V	MGF CHIP 1/10W 100K	
R6121 EF	RJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6122 EF	RJ6GEYJ181V	MGF CHIP 1/10W 180	
R6123 EF	RJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6124 EF	RJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6126 EF	RJ6GEYJ221V	MGF CHIP 1/10W 220	
R6127 EF	RJ6GEYJ221V	MGF CHIP 1/10W 220	
R6130 EF	RJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6131 EF	RJ6GEYJ183V	MGF CHIP 1/10W 18K	
R6132 EF	RJ6GEYJ391V	MGF CHIP 1/10W 390	
R6133 EF	RJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6134 EF	RJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6135 EF	RJ6GEYJ475V	MGF CHIP 1/10W 4.7M	
R6136 EF	RJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R6137 EF	RJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6138 EF	RDS2TJ560T	CARBON 1/4W 56	
R6142 EF	RJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6143 EF	RJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6144 EF	RJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6145 EF	RJ6GEYJ273V	MGF CHIP 1/10W 27K	
R6146 EF	RJ6GEYJ273V	MGF CHIP 1/10W 27K (E,F)	
R6149 EF	RJ6GEYJ273V	MGF CHIP 1/10W 27K	
R6150 EF	RJ6GEYJ913V	MGF CHIP 1/10W 91K	
R6160 EF	RJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6161 EF	RJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6162 EF	RJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6163 EF	RJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6164 EF	RJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6165 EF	RJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6166 EF	RJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6170 EF	RJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6201 EF	RJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6202 EF	RJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6203 EF	RJ6GEYJ274V	MGF CHIP 1/10W 270K	
R6204 EF	RJ6GEYJ184V	MGF CHIP 1/10W 180K	
R6205 EF	RJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6207 EF	RJ6GEYJ101V	MGF CHIP 1/10W 100	
R6208 EF	RJ6GEYJ152V	MGF CHIP 1/10W 1.5K	
R6209 EF	RJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6210 EF	RJ6GEYJ563V	MGF CHIP 1/10W 56K	
R6211 EF	RJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6212 EF	RJ6GEYJ682V	MGF CHIP 1/10W 6.8K	T

Ref. No.	Part No.	Part Name & Description	Remarks
R6301	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6302	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R6303	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6304	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R6305	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6306	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R6307	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6316	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R7001	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7002	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7003	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7004	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7006	ERJ6GEYJ271V	MGF CHIP 1/10W 270	
R7007	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	

COGETOTOEV	PIGE CHILE	1/1011	IK
	CAPAC	HORS	
Part No.	Part	Name &	Description

No.	Part No.	Part Name & Description	Remark
C401	ECEA1HGE2R2	ELECTROLYTIC 50V 2.2UF	
C402	ECA1CM471B	ELECTROLYTIC 16V 470UF	
C408	ECA1HGE010KB	ELECTROLYTIC 50V 1UF	
C409	ECA1VM101B	ELECTROLYTIC 35V 100UF	
C413	ECQB1H104KF	POLYESTER 50V 0.1UF	
C414	ECA1EM102E	ELECTROLYTIC 25V 1000UF	
C418	ECA1VM221B	ELECTROLYTIC 35V 220UF	
C459	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C510	ECKR2H681KB5	CERAMIC 500V 680PF (A,B,C,D,E,F)	
C510	ECKR2H102KB5	CERAMIC 500V 1000PF (G,H,I)	
C513	ECA1HM470B	ELECTROLYTIC 50V 47UF	
C524	ECKC3D151KBP		Δ
		A,B,C,D,E,F)	
C524	ECKW3D151KBP	CERAMIC 2KV 150PF (A,B,C,D,E,F)	Δ
C531	ECEA1HKA3R3I	ELECTROLYTIC 50V 3.3UF	d
C533	ECA1EM101B	ELECTROLYTIC 25V 100UF	
C534	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C552	ECA1EM221B	ELECTROLYTIC 25V 220	
C553	ECKR2H471KB5	CERAMIC 500V 470PF	
C554	ECWH12H622JS	POLYESTER 1.2KV 0.062UF (A,B,C,D,E,F)	Δ
C554	LSCFN12622JB	POLYESTER 1.2KV 0.062UF (A,B,C,D,E,F)	Δ
C554	ECWH16622JVB		Δ
C554	F0A3C622A002		Δ
C554	ECWH12H912JS		Δ
C554	F0A3C912A002		Δ
C556	ECWF2334JBB	POLYESTER 500V 0.33UF (A,B,C,D)	Δ
C556	F0C2E334A049	POLYESTER 250V 0.36UF (A,B,C,D)	Δ
C556	ECWF2434JBB	POLYESTER 500V 0.43UF (G,H,I	Δ
C556	F0C2E434A049	POLYESTER 250V 0.36UF (G,H,I	Δ
C556	ECWF2364JBB	POLYESTER 500V 0.36UF (E,F)	Δ_
2556	ECWF2364JSB	POLYESTER 250V 0.36UF (E,F)	Δ
2556	ECWF2364JSR	POLYESTER 250V 0.36UF (E,F)	
2556	F0C2D364A007		\triangle
C556	F0C2E364A049	POLYESTER 250V 0.36UF (E,F)	Δ
2558	ECA1VM221B	ELECTROLYTIC 35V 220UF (A,B,C,D,E,F)	
C558	ECA1VM331B	ELECTROLYTIC 35V 330UF (G,H,I)	
C560	ECA2EM100B	ELECTROLYTIC 250V 10UF	Δ
2561	ECA1HM2R2B	ELECTROLYTIC 50V 2.2UF	
C563	ECEA180V33WE	ELECTROLYTIC 180V 33UF	
C571	ECEA1HKA3R3I	ELECTROLYTIC 50V 3.3UF (
C571	ECEA1EKA100I	A,B,C,D,E,F) ELECTROLYTIC 25V 10UF (G,H,I	
		ELECTROLYTIC 16V 220UF	
C572	ECA1CM221B		

Ref. No.	Part No.	Part Name & Description	Remark
C801	VCKSRNG472ZX	CERAMIC 250V 4700PF	1
C802	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C803	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C804	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C805	ECES2DU221EG	ELECTROLYTIC 200V 220UF (A,B,C,D,E,F)	\triangle
C805	F2B2D2210009	ELECTROLYTIC 200V 220UF (A,B,C,D,E,F)	Δ
C805	EC0S2PP471BB	ELECTROLYTIC 180V 470UF (G,H,I)	Δ
C805	ECES2PU471HG	ELECTROLYTIC 180V 470UF (G,H,I)	Δ
C806	ECA2EM100E	ELECTROLYTIC 250V 10UF (A,B,C,D,E,F)	
C806	ECA2EM220E	ELECTROLYTIC 250V 22UF (G,H,I)	
C807	J0LE00000023	ARRESTER	Δ
C808	ECQU2A823MLA	POLYESTER 250V 0.082UF	Δ
C808	LSCFQ2A823MC	POLYESTER 250V 0.082UF	Δ
C809	F1B2E101A009	CERAMIC 250V 100PF	Δ
C809	F1B2E101A008	CERAMIC 250V 100PF	Δ
C809	F1B2E101A032	CERAMIC 250V 100PF	<u></u>
C809	F1B2E101A033	CERAMIC 250V 100PF	Δ
C811	F1B2E152A012	CERAMIC 250V 1500PF	Δ
C811	F1B2E152A011	CERAMIC 250V 1500PF	Δ
C811	F1B2E152A044	CERAMIC 250V 1500PF	Δ
C811	F1B2E152A045	CERAMIC 250V 1500PF	\triangle
C811	F1B2E1520002	CERAMIC 250V 1500PF	Δ
C811	F1B2E1520006	CERAMIC 250V 1500PF	Δ
C1001	ECKATS103MF	CERAMIC 250V 0.01UF	Δ
C1001	ECKETS103MF	CERAMIC 125V 0.01UF	Δ
01001	VCKST3G103MY	CERAMIC 250V 0.01UF	Δ
C1001	VCKSU3D103MY	CERAMIC 125V 0.01UF	Δ
C1002	ECKATS332ME8	CERAMIC 250V 3300PF	Δ
C1002	ECKDNB332ME8	CERAMIC 125V 3300PF	\triangle
C1002	ECKETS332ME8	CERAMIC 125V 3300PF	\triangle
C1002	VCKST3G332MX	CERAMIC 250V 3300PF	Δ
C1002	VCKSU3D332MX	CERAMIC 125V 3300PF	\triangle
C1003	F1B2E102A012	CERAMIC 250V 1000PF	Δ
C1003	F1B2E102A011	CERAMIC 250V 1000PF	Δ
C1003	F1B2E102A044	CERAMIC 250V 1000PF	Δ
C1003	F1B2E102A045	CERAMIC 250V 1000PF	Δ
C1003	F1B2E1020005	CERAMIC 250V 1000PF	Δ
C1003	F1B2E1020006	CERAMIC 250V 1000PF	Δ
C1004	ECEA2DU121YE	ELECTROLYTIC 200V 120UF	<u>A</u>
C1004	F2A2D1210001	ELECTROLYTIC 200V 120UF	Δ
C1004	F2A2D1210003		Δ
C1004	VCESR2D121XE	ELECTROLYTIC 200V 120UF ELECTROLYTIC 200V 120UF	Δ
C1005		ELECTROLYTIC 200V 4.7UF	
	ECA2DHG4R7B		
C1006	ECKR2H221KB5	CERAMIC 500V 220PF	
C1007	ECJ2VB1C224K	C CHIP 16V 0.22UF	-
C1009	VCYSBRE183KX	CERAMIC 25V 0.018UF	
C1010 C1011	ECJ2VB1H102K	C CHIP 50V 1000PF	
C1011	ECEA1PEE331	ELECTROLYTIC 50V 47UF	
C1012		ELECTROLYTIC 18V 330UF	
	ECA1EM331B ECEA1PEE331	ELECTROLYTIC 25V 330UF	-
C1016		ELECTROLYTIC 18V 330UF	
C1017	ECAOJM102B	C CHIP 25V 0 1UF	
C1018 C1025	F1B2E101A009	C CHIP 25V 0.1UF CERAMIC 250V 100PF	Δ
C1025	F1B2E101A009	CERAMIC 250V 100PF	Δ
C1025	F1B2E101A032	CERAMIC 250V 100PF	Δ
C1025	F1B2E101A032	CERAMIC 250V 100PF	Δ
C1025	ECJ2VC1H101J	C CHIP 50V 100PF	
		CERAMIC 25V 0.018UF	<u> </u>
C1030	VCYSBRE183KX		
C1051	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	-
C1052	ECEA1CKA100	ELECTROLYTIC 16V 10UF	-
C1058	ECEA0JEE101	ELECTROLYTIC 6.3V 100UF	-
C1059	ECEA1CKA470	ELECTROLYTIC 16V 47UF	-
C1060	ECEA1CKA470	ELECTROLYTIC 16V 47UF	-
C3003	ECJ2VF1E104Z	C CHIP 25V 0.1UF	-
C3004	ECJ2VF1H103Z	C CHIP 50V 0.01UF	-
C3006	BCJ2VF1E104Z	C CHIP 25V 0.1UF	
C3007	ECEAOJKA101	ELECTROLYTIC 6.3V 100UF	

Ref.	Part No.	Part Name & Description	Remarks
No.			
C3008	ECJ2VC1H181J	C CHIP 50V 180PF	
C3009	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C3010	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3013	ECJ2VF1C224Z	C CHIP 16V 0.22UF	
C3015	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C3016	ECRA1CKA100	ELECTROLYTIC 16V 10UF	
C3019	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C3020	ECEA1CKA220	ELECTROLYTIC 16V 22UF	
C3021	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C3022	ECJ2VF1C224Z	C CHIP 16V 0.22UF	
C3023	ECJ2VC1H680J	C CHIP 50V 68PF	
C3024	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3025	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C3026	ECJ2VB1H822K	C CHIP 50V 8200PF	
C3027	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3030	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3031	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3032	ECJ2VF1C474Z	C CHIP 16V 0.47UF	
C3034	ECJ2VC1H181J	C CHIP 50V 180PF	
C3035	ECJ2VC1H330J	C CHIP 50V 33PF	l
C3036	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3038	ECBA1CKA100	ELECTROLYTIC 16V 10UF	
C3041	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3043	ECJ2VB1H392K	C CHIP 50V 3900PF	
C3044	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3045	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	
C3046	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C3047	ECRAOJKA101	ELECTROLYTIC 6.3V 100UF	
C3048	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3050	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C3053	ECJ2VF1H103Z	C CHIP 50V 0.01UF	+
C3055	ECJ2VF1E104Z	C CHIP 25V 0.1UF	+
C3056	ECJ2VF1E104Z	C CHIP 25V 0.1UF	1
C3057	ECJ2VF1E104Z	C CHIP 25V 0.1UF	+
C3058	ECJ2VF1H103Z	C CHIP 50V 0.01UF	+
C3082	ECJ2VB1H332K	C CHIP 50V 0.010F	+
C3231	ECRA1HKA010	ELECTROLYTIC 50V 1UF	+
C3231	ECJ2VB1H102K		+
C3234	ECEA0JKA470	C CHIP 50V 1000PF	+
		ELECTROLYTIC 6.3V 47UF	+
C3235	ECJ2VF1H103Z	C CHIP 50V 0.01UF	+
C3236	ECJ2VF1E104Z	C CHIP 25V 0.1UF	+
C3237	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4001	ECJ2VF1C224Z	C CHIP 16V 0.22UF	
C4002	ECRA1HKA010	ELECTROLYTIC 50V 1UF	-
C4003	ECJ2VB1H272K	C CHIP 50V 2700PF	
C4004	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4005	ECEA0JKA220	ELECTROLYTIC 6.3V 22UF	
C4006	ECJ2VB1H102K	C CHIP 50V 1000PF	1
C4007	ECEA0JKA220	ELECTROLYTIC 6.3V 22UF	
C4008	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	1
C4009	ECEA1CKA100	ELECTROLYTIC 16V 10UF	1
C4010	ECJ2VB1E333K	C CHIP 25V 0.033UF	1
C4011	ECJ2VB1H103K	C CHIP 50V 0.01UF	1
C4012	ECEA1HKA010	ELECTROLYTIC 50V 1UF	1
C4013	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	1
C4014	ECEA1HKA010	ELECTROLYTIC 50V lUF	
C4018	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4020	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4102	ECQB1562JF3	POLYESTER 100V 5600PF	
C4103	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4104	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4105	ECEA1CKA220	ELECTROLYTIC 16V 22UF	
C4171	ECEA1HKA010	ELECTROLYTIC 50V lUF	
C4502	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4504	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C4506	ECBA1CKA470	ELECTROLYTIC 16V 47UF	
C4508	ECA1CM221B	ELECTROLYTIC 16V 220UF	1
C4509	ECJ2VB1E473K	C CHIP 25V 0.047UF	†
C4521	ECA1EM102B	ELECTROLYTIC 25V 1000UF	1
C4524	ECJ2VF1H103Z	C CHIP 50V 0.01UF	+
C5301	ECEA1CKA100	ELECTROLYTIC 16V 10UF	+
C5302	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	+
C5302	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	+
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Ref.	Part No.	Part Name & Description	Remarks
No.	ECEA1HKAR33	ELECTROLISMENT FOR A 2311E	
C5305		ELECTROLYTIC 50V 0.33UF	
C5306	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5307	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5308	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5401	VCUSTBC224KB	C CHIP 16V 0.22UF	
C5402	ECJ2VB1H222K	C CHIP 50V 2200PF	
C5403	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C5501	ECJ2VB1E183K	C CHIP 25V 0.018UF	
C5502	ECJ2VB1H681K	C CHIP 50V 680PF	
C5505	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C5506	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5507	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5508	ECUV1H221JSN	C CHIP 50V 220PF	
C5510	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C5511	ECJ2VB1E333K	C CHIP 25V 0.033UF	
C5516	ECJ2VB1E333K	C CHIP 25V 0.033UF	
C5601	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5602	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C5603	ECJ2VC1H150J	C CHIP 50V 15PF	
C5604	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C5605	ECJ2VB1E153K	C CHIP 25V 0.015UF	
C5902	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C5903	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C5904	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C5905	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C5906	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5932	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C6001	ECEA0JKA331	ELECTROLYTIC 6.3V 330UF	
C6002	ECJ2VC1H080C	C CHIP 50V 8PF	
C6003	ECJ2VC1H100C	C CHIP 50V 10PF	
C6004	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C6006	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6009	ECEA1CKS100	ELECTROLYTIC 16V 10UF	
C6013	ECJ2VC1H101J	C CHIP 50V 100PF	
C6017	ECJ2VC1H101J	C CHIP 50V 100PF	
C6018	ECJ2VC1H101J	C CHIP 50V 100PF	
C6020	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6021	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6023	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C6025	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C6029	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6040	ECJ2VB1H102K	C CHIP 50V 1000PF	
C6041	ECJ2VB1H102K	C CHIP 50V 1000PF	
C6044	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C6201	ECJ2VB1H102K	C CHIP 50V 1000PF	
C6202	ECJ2VB1H102K	C CHIP 50V 0.01UF	
C6203	ECJ2VB1H332K	C CHIP 50V 3300PF	
C6204	ECJ2VB1H103K		
C6207	ECJ2VF1H104Z	C CHIP 50V 0.1UF ELECTROLYTIC 16V 10UF	
C6208	ECEA1CKS100		
C6209	ECJ2VB1H102K	C CHIP 50V 1000PF	
C6212	ECJ2VF1H104Z	C CHIP 50V 0.1UF	-
C6213	ECEAOJKS331I	ELECTROLYTIC 6.3V 330UF	-
C6214	ECEA0JKS220	C CHID FOR 2700DE	
C6215	ECJ2VB1H272K	C CHIP 50V 2700PF	ļ
C6216	ECJ2VB1H103K	C CHIP 50V 0.01UF	-
C6220	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C6221	ECEAOJKA101	ELECTROLYTIC 6.3V 100UF	
C6302	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6401	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6402	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6403	ECEA1HKA010	ELECTROLYTIC 50V 1UF	-
C6404	ECJ2VC1H121J	C CHIP 50V 120PF	
C6406	ECEA1HKS010	ELECTROLYTIC 50V 1UF	
C6408	ECJ2VB1H222K	C CHIP 50V 2200PF	
C6410	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C7002	ECJ2VB1H102K	C CHIP 50V 1000PF	
	DECK DATE OVER	ELECTROLYTIC 6.3V 1000UF	l
C7006	ECA0JM102B		
C7007	ECJ2VB1H102K	C CHIP 50V 1000PF	

COILS

Ref.	Part No.	Part Name & Description	Remarks
L501	G0D680000001	COIL (G,H,I)	Δ
L501	ELH5L4108	COIL (G,H,I)	Δ
L501	ELH5L4145	COIL (G,H,I)	Δ
L501	ELH5L423	COIL (G,H,I)	Δ
L501	G0D510000001	COIL (G,H,I)	Δ
L553	VLQSW07D220M	COIL 22UH	
L803	ELF21V018A	LINE FILTER	⚠
L803	J0HBLG000001	LINE FILTER	⚠
L803	LLN63055A	COIL	Δ
L1001	ELF15N005A	LINE FILTER 0.5A 18MH	Δ
L1001	ELF18D290A	LINE FILTER 0.5A 18MH	\triangle
L1001	J0HBLD000001	LINE FILTER 0.5A 18MH	\triangle
L1001	J0HBLD000002	LINE FILTER 0.5A 18MH	\triangle
L1002	VLQSAB7D220K	COIL 22UH	
L1003	VLQSAB7D100K	COIL 10UH	
L1006	J0JHB0000021	FILTER	
L1007	G0C101KA0045	COIL 100UH	
L3001	G0C390KA0045	COIL 39UH	
L3002	ELESN101KA	COIL 100UH	
L3005	G0C330KA0045	COIL 33UH	
L3010	ELESN470KA	COIL 47UH	
L3231	ELESN221KA	COIL 220UH	
L4001	ELELN153KA	COIL 15MH	
L4002	ELESN101KA	COIL 100UH	
L4004	G0C390KA0045	COIL 39UH (A,B,C,D,E,F)	
L4004	G0C220KA0045	COIL 22UH (G,H,I)	
L4101	ELESN471KA	COIL 470UH	
L5901	ELESN101KA	COIL 100UH	
L5902	ELESN470KA	COIL 47UH	
L6201	ELEXT101KE04	COIL 100UH	
L6401	ELEXT101KE04	COIL 100UH	
L6402	J0JBC0000022	CHIP BEAD INDUCTOR	
L6403	J0JBC0000022	CHIP BEAD INDUCTOR	
L6404	J0JBC0000022	CHIP BEAD INDUCTOR	
L6405	J0JBC0000022	CHIP BEAD INDUCTOR	
L7002	ELESN100KA	COIL 10UH	

CRYSTAL OSCILLATOR

Ref.	Part No.	Part Name & Description	Remarks
X5501	H2A503300012	CRYSTAL OSCILLATOR	
X5601	VSXS0190-TB	CRYSTAL OSCILLATOR	
X6001	VSXS0784	CRYSTAL OSCILLATOR	

Ref. No.	Part No.	Part Name & Description	Remarks
P552	LSJWS4N250LL	PIN HEADER (A,B,C,D,E,F)	
P552	LSJWS4N360LL	PIN HEADER (G,H,I)	
P801	VEKS5809	CONNECTOR CABLE W/OUT PLUG, 200V	
P803	LSJP0814	CONNECTOR 2P	
P3001	K1KA08A00305	CONNECTOR 8P (A,B,C,D,G,H,I	
P3001	K1KA12A00232	CONNECTOR 12P (E,F)	
P4001	VJSS0888	FE CONNECTOR 2P	
P4002	LSJWR6N120CL	PARALLEL WIRE	
P4591	K1KA02A00375	CONNECTOR 2P	
P5301	LSJWR4N380LL	CONNECTOR CABLE W/OUT PLUG, 12V DC (A,B,C,D,E,F)	
P5301	LSJWR4N490LL	CONNECTOR CABLE W/OUT PLUG,12V DC (G,H,I)	
P6001	K1KA05A00268	CONNECTOR 5P	
P6201	K1KA12A00234	PIN HEADER	

SWITCHES

Ref. No.	Part No.	Part Name & Description	Remarks
SW6001	LSSH0002	LEAF SWITCH-SAFETY TAB	
SW6002	K0N107C00002	PUSH SWITCH	
SW6301	K0H1BA000259	PUSH SWITCH (A,B,C,D,E,F)	
SW6301	EVQ21405R	PUSH SWITCH (G,H,I)	
SW6302	K0H1BA000259	PUSH SWITCH (A,B,C,D,E,F)	
SW6302	EVQ21405R	PUSH SWITCH (G,H,I)	
SW6303	K0H1BA000259	PUSH SWITCH (A,B,C,D,E,F)	

Ref.	Part No.	Part Name & Description	Remarks
SW6303	EVQ21405R	PUSH SWITCH (G,H,I)	
SW6304	K0H1BA000259	PUSH SWITCH (A,B,C,D,E,F)	
SW6304	EVQ21405R	PUSH SWITCH (G,H,I)	
SW6305	K0H1BA000259	PUSH SWITCH (A,B,C,D,E,F)	
SW6305	EVQ21405R	PUSH SWITCH (G,H,I)	
SW6306	K0H1BA000259	PUSH SWITCH (A,B,C,D,E,F)	
SW6306	EVQ21405R	PUSH SWITCH (G,H,I)	
SW6307	K0H1BA000259	PUSH SWITCH (A,B,C,D,E,F)	
SW6307	EVQ21405R	PUSH SWITCH (G,H,I)	
SW6308	K0H1BA000259	PUSH SWITCH (A,B,C,D,E,F)	
SW6308	EVQ21405R	PUSH SWITCH (G,H,I)	
SW6309	K0H1BA000259	PUSH SWITCH (A,B,C,D,E,F)	
sw6309	EVQ21405R	PUSH SWITCH (G,H,I)	
sw6310	K0H1BA000259	PUSH SWITCH (A,B,C,D,E,F)	
SW6310	EVQ21405R	PUSH SWITCH (G,H,I)	
SW6311	K0H1BA000259	PUSH SWITCH (A,B,C,D,E,F)	
SW6311	EVQ21405R	PUSH SWITCH (G,H,I)	

	FUSE & PROTECTOR				
Ref.	Part No.	Part Name & Description	Remarks		
F801	K5D402AQ0002	FUSE 125V 4A	\triangle		
F801	K5D402AB0002	FUSE 125V 4A	\triangle		
F801	K5D402ADA002	FUSE 125V 4A	\triangle		
F801	K5D402ADA006	FUSE 125V 4A	Δ		
F1001	K5D162AQ0004	FUSE 125V 1.6A	Δ		
F1001	K5D162ADA001	FUSE 125V 1.6A	Δ		
F1001	K5D162ADA008	FUSE 125V 1.6A	Δ		
PR1001	UNHO00600A	IC PROTECTOR 1.5A	\triangle		
PR1001	B1ZAZ0000040	IC PROTECTOR 1.5A	Δ		
PR1001	LSSF009A25E	IC PROTECTOR 1.5A	Δ		

IC PROTECTOR 1.5A

IC PROTECTOR 1.5A

Δ

Δ

Δ

PR1002 UNH000600A

PR1002 LSSF009A25E

PR1002 B1ZAZ0000040 IC PROTECTOR 1.5A

Ref. No.	Part No.	Part Name & Description	Remarks
RL801	LSSY0004	RELAY	\triangle
RL801	K6B1AGA00034	RELAY	\triangle
RL801	K6B1AGA00042	RELAY, 120V	\triangle
RL801	TSEH0013	RELAY	Δ
RL801	TSEH1860-1	RELAY	Δ

TRANSFORMER

	_	TRANSFORMER	
Ref.	Part No.	Part Name & Description	Remarks
No.			
T501	ETH09K6AZ	TRANSFORMER (A,B,C,D,E,F)	
T501	ETH09K8AZ	TRANSFORMER (G, H, I)	
T551	KFT2AB399F	FLYBACK TRANSFORMER (A,B,C,D	\triangle
)	
T551	G4G3H0000001	FLYBACK TRANSFORMERS (E,F)	\triangle
T551	KFT3AB400F	FLYBACK TRANSFORMER (G,H,I)	\triangle
T1001	ETS28AD2J3AC	SW TRANSFORMER	\triangle
T1001	LSTP0105	TRANSFORMER	Δ
T1001	VTPS0042	SW TRANSFORMER	Δ
T4101	G2A342C00003	TRANSFORMER	

JACKS

Ref.	Part No.	Part Name & Description	Remarks
JK4591	K2HC103B0130	FRONT AUDIO/VIDEO JACK SOCKET	
JK4701	K2HA204B0114	EARPHONE JACK SOCKET	

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
483	XYN3+F10S	SCREW W/WASHER, STEEL	
488	XYN3+F6S	SCREW W/WASHER, STEEL	
497	XTV3+10J	TAPPING SCREW, SCREW	
711	PNA4611M00HC	INFRARED RECEIVER UNIT	
719	VMFS0136	SHEET, NYLON-RAYON (G, H, I)	
743	ENG36709GL	TUNER, UHF/VHF NR	
751	LML69001A	ANODE LEAD CLAMPER	
758	TUC77616	HEAT SINK (A,B,C,D,E,F)	
766	TUC76677-1	HEAT SINK (A,B,C,D,E,F)	

Ref.	Part No.	Part Name & Description	Remarks
767	TUC77626	HEAT SINK (G,H,I)	
768	TUC77603-1	HEAT SINK (G,H,I)	
769	LUS23005B	HEAT SINK (G,H,I)	
771	EYF52BC	FUSE HOLDER	

12.3.2. TV/VCR MAIN C.B.A.

(Model: J)

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
PV-C1323	Α
PV-C1323-K	В
PV-C1333W	С
PV-C1333W-K	D
PV-C1343	Е
PV-C1353W	F
PV-C2023	G
PV-C2023-K	н
PV-C2033W	1
PV-C2063	J
	K

INTEGRATED CIRCUITS

Ref.	Part No.	Part Name & Description	Remarks
IC451	C1AA00000024	IC, LINEAR	
IC501	CNC1S101R1KT	IC, LINEAR	\triangle
IC501	CNC1S101R1KT	IC, LINEAR	\triangle
IC501	CNC1S101S1KT	IC, LINEAR	\triangle
IC502	CNC1S101R2KT	IC, LINEAR	\triangle
IC801	C5HABZZ00051	IC, LINEAR	Δ
IC1001	CNC1S101R1KT	IC, LINEAR	Δ
IC1001	CNC1S101S1KT	IC, LINEAR	Δ
IC1002	CODAEMZ00005	IC, LINEAR	
IC1002	BlazkD000001	IC, LINEAR	
IC1002	CODAEMZ00001	IC, LINEAR	
IC3001	AN3479FBP-A	IC, LINEAR	
IC3201	MN3885S	IC, CCD 1H DELAY	E.S.D.
IC4501	C1AA00000652	IC, LINEAR	
IC4511	C1AA00000652	IC, LINEAR	
IC5301	AN15167A-VT	IC, LINEAR	
IC6001	MN101D06FCC	IC, 8BIT MICROCONTROLLER	E.S.D.
IC6002	B3NAA0000049	PHOTO INTERRUPUTER	
IC6003	B3NAA0000049	PHOTO INTERRUPUTER	
IC6004	LSSK0026	IC, 1K EEP ROM	E.S.D.
IC6005	C0EBJ0000080	IC, CMOS STANDARD LOGIC	E.S.D.
IC6005	C0EBJ0000099	IC, CMOS STADNARD LOGIC	E.S.D.
IC6005	RN5VS47CA-TR	IC, CMOS STANDARD LOGIC	E.S.D.
IC9001	AN5832SA-E1	IC, LINEAR	
IC9201	AN7420-NT	IC, LINEAR	
IC9301	C0JBAR000002	IC, CMOS STANDARD LOGIC	E.S.D.
IC9301	CD4052BCM	IC, CMOS STANDARD LOGIC	E.S.D.

TRANSISTORS

Ref.	Part No.	Part Name & Description	Remarks
Q431	2SA733-TQ	TRANSISTOR SI PNP	
Q431	2SA1175	TRANSISTOR SI PNP	
Q431	2SA1175-TH	TRANSISTOR SI PNP	
Q501	B1AACN000013	TRANSISTOR SI NPN	
Q531	2SA733-TQ	TRANSISTOR SI PNP	
Q531	2SA1175	TRANSISTOR SI PNP	
Q531	2SA1175-TH	TRANSISTOR SI PNP	
Q532	2SC945A-TQ	TRANSISTOR SI NPN	
Q532	2SC2785-TH	TRANSISTOR SI NPN	

Ref. No.	Part No.	Part Name & Description	Remarks
Q532	2SC2785-TJ	TRANSISTOR SI NPN	
Q551	B1GARRAB0001	TRANSISTOR SI NPN	Δ
Q571	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q571	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q581	B1ACBM000001	TRANSISTOR SI NPN	
Q581	2SA17670QA	TRANSISTOR SI PNP CHIP	
Q581	2SB12210QA	TRANSISTOR SI PNP CHIP	
Q801	2SC945A-TKA	TRANSISTOR SI NPN	
Q801	2SC1684-Q	TRANSISTOR SI NPN	
Q801	2SC1684-S	TRANSISTOR SI NPN	<u>_</u>
Q801	2SC16840RA	TRANSISTOR SI NPN	
Q801	2SC2785-TE	TRANSISTOR SI NPN	
Q801	2SC2785-TF	TRANSISTOR SI NPN	-
Q801	2SC2785-TH	TRANSISTOR SI NPN	
Q801	2SC2785-TJ	TRANSISTOR SI NPN	
Q801 Q801	2SC2785-TK 2SC3311AQA	TRANSISTOR SI NPN	
Q801	2SC3311AQA	TRANSISTOR SI NPN	
Q801	2SC3311AKA 2SC3311ASA	TRANSISTOR SI NPN TRANSISTOR SI NPN	
Q801	2SC945A-TPA		
Q801	2SC945A-TOA	TRANSISTOR SI NPN TRANSISTOR SI NPN	+
Q1001	2SC4953001KT	TRANSISTOR SI NPN	Δ
Q1001	2SC4953001KT	TRANSISTOR SI NPN	<u>A</u>
Q1002	2SD225900A	TRANSISTOR SI NPN	_
Q1051	B1BACC000010	TRANSISTOR SI NPN	1
Q1051	2SD1581-T	TRANSISTOR SI NPN	†
Q1052	2SD0601AHL	TRANSISTOR SI NPN CHIP	
Q1052	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q1053	2SD235800A	TRANSISTOR SI NPN CHIP	
Q1053	B1AAQB000002	TRANSISTOR SI NPN CHIP	
Q1070	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q1070	BladCF000001	TRANSISTOR SI PNP CHIP	
Q1071	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q1071	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q3001	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q3001	BladCF000063	TRANSISTOR SI PNP CHIP	
Q3002	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q3002	BlabCF000020	TRANSISTOR SI NPN CHIP	
Q3301	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q3301	BlabcF000020	TRANSISTOR SI NPN CHIP	
Q4001	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q4001	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q4002	2SD1819AHL	TRANSISTOR SI NPN CHIP	
Q4003	2SD1819AHL	TRANSISTOR SI NPN CHIP	
Q4101	2SD0601ARL	TRANSISTOR SI NPN CHIP	
Q4171	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q4171	BlabCF000011	TRANSISTOR SI NPN CHIP	
Q5301	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q5301	BlabCF000020	TRANSISTOR SI NPN CHIP	+
Q5901	2SD225900A	TRANSISTOR SI NPN	+
Q6001	2SB0709A0L	TRANSISTOR SI PNP CHIP	+
Q6001	B1ADCF000001 2SD0601A0L	TRANSISTOR SI PNP CHIP TRANSISTOR SI NPN CHIP	+
Q6002 Q6002	BlabCF000011	TRANSISTOR SI NPN CHIP	+
Q6002 Q6003	2SD0601A0L	TRANSISTOR SI NPN CHIP	+
Q6003	BlabCF000011	TRANSISTOR SI NPN CHIP	+
Q6004	2SB1218A0L	TRANSISTOR SI PNP CHIP	+
Q6004	B1ADCF000063	TRANSISTOR SI PNP CHIP	+
Q6005	2SB0709A0L	TRANSISTOR SI PNP CHIP	1
Q6005	BladCF000001	TRANSISTOR SI PNP CHIP	†
Q6006	2SD1819A0L	TRANSISTOR SI NPN CHIP	1
Q6009	VEKS5707	PHOTO SENSOR UNIT	1
Q6010	VEKS5707	PHOTO SENSOR UNIT	1
Q9001	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q9001	BladCF000063	TRANSISTOR SI PNP CHIP	
Q9002	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q9002	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q9201	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q9201	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q9202	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q9202	BlabCF000020	TRANSISTOR SI NPN CHIP	

DIODES

		DIODES	
Ref.	Part No.	Part Name & Description	Remarks
D401	B0EAKL000049	DIODE SI	
D401	B0EAKL000044	DIODE SI	
D401	B0EAKL000045	DIODE SI	
D502	MA2C165001VT	DIODE SI	
D502	BOAACKOOOOO4	DIODE SI	
D502	188119	DIODE SI	
D503	B0HAGP000011	DIODE SI	
D503	B0HAJP000012	DIODE SI	
D504	MAZ40470MF		
		DIODE ZENER 4.7V	
D504	MAZ40470HF	DIODE ZENER 4.7V	
D504	RD4.7ESAB	DIODE ZENER 4.7V	
D504	RD4.7ESAB2	DIODE ZENER 4.7V	
D504	04AZ4.7ZTPA7	DIODE ZENER 4.7V	
D507	MA2C165001VT	DIODE SI	-
D507	BOAACKOOOOO4	DIODE SI	
D507	188119	DIODE SI	
D553	B0HAGP000011	DIODE SI	\vdash
D553	В0НАЈР000012	DIODE SI	
D554	BOARELOOOOO1	DIODE SI	\vdash
D554	MA2C16700E	DIODE SI	
D558	B0HAGP000011	DIODE SI	
D558	В0НАЈР000012	DIODE SI	
D560	ERB44-04V	DIODE SI	\sqcup
D571	MAZ40470MF	DIODE ZENER 4.7V	
D571	B0BA4R600003	DIODE ZENER 4.7V	
D571	RD4.7ESAB2	DIODE ZENER 4.7V	
D572	MAZ4110NHF	DIODE ZENER 11V	
D573	MA2C165001VT	DIODE SI	
D573	B0AACK000004	DIODE SI	
D573	188119	DIODE SI	
D574	MA2C165001VT	DIODE SI	
D574	BOAACKOOOOO4	DIODE SI	
D574	188119	DIODE SI	
D591	D4DDF5R00002	THERMISTOR	Δ
D591	VRPSKF5JM050	THERMISTOR	Δ
D801	BOAAKTOOOO10	DIODE SI	<u>A</u>
			\triangle
D801	BOEAKT000027	DIODE SI	
D801	BOEAKTOOOO3O	DIODE SI	\triangle
D802	BOAAKTOOOO10	DIODE SI	\triangle
D802	BOEAKT000027	DIODE SI	Δ
D802	BOEAKT000030	DIODE SI	<u>A</u>
D803	BOAAKT000010	DIODE SI	<u> </u>
D803	BOEAKT000027	DIODE SI	Δ
D803		DIODE SI	A
D804	BOAAKT000010	DIODE SI	Δ
D804	BOEAKT000027	DIODE SI	\triangle
D804	BOEAKT000030	DIODE SI	\triangle
D805	MA2C16700E	DIODE SI	
D805	BOAAEL000001	DIODE SI	
D881	ERZV10V361CS	SURGE ABSORBER	Δ
D881	D4EAA3610001	SURGE ABSORBER	Δ
D882	ERZV10V361CS	SURGE ABSORBER	\triangle
D882	D4EAA3610001	SURGE ABSORBER	\triangle
D1001	DB105G	DIODE SI	Δ
D1001	B0EBKR000003	DIODE SI	<u></u>
D1001	BOEBKR000020	DIODE SI	Δ
D1001	B0BBKR000024	DIODE SI	Δ
D1002	B0HAHP000014	DIODE SI	
D1002	B0HAJP000007	DIODE SI	\vdash
D1002	B0HAMP000061	DIODE SI	
D1002	BOHAMPOOOO61	DIODE SI	
D1003	BOHAHPOOOO14	DIODE SI	\vdash
D1003	BOHAJP000007	DIODE SI	\vdash
D1003	BOHAMPOOOO61	DIODE SI	
D1003	B0HAMP000069	DIODE SI	
D1005	B0HAHP000014	DIODE SI	
D1005	В0НАЈР000007	DIODE SI	
D1005	B0HAMP000061	DIODE SI	\vdash
D1005	B0HAMP000069	DIODE SI	
D1006	B0HAML000015	DIODE SI	
D1006	B0HANL000012	DIODE SI	
D1008	B0JAME000079	DIODE SI	

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Ref.	Part No.	Part Name & Description	Remarks
No.			
D1008	B0JAME000049	DIODE SI	
D1008	B0JANE000011	DIODE SI	
D1008	B0JANE000022	DIODE SI	
D1015	MA2180LA	DIODE ZENER 18V	\triangle
D1015	B0BA01800025	DIODE ZENER 18V	Δ
D1015	1N4746A-T	DIODE ZENER 18V	\triangle
D1015	1N4746ARL	DIODE ZENER 18V	\triangle
D1016	MA2C165001VT	DIODE SI	
D1016	B0AACK000004	DIODE SI	
D1016	188119	DIODE SI	
D1051	MAZ4110NHF	DIODE ZENER 11V	
D1071	B0HAHP000014	DIODE SI	
D1071	B0HAJP000007	DIODE SI	
D1071	B0HAMP000061	DIODE SI	
D1071	B0HAMP000069	DIODE SI	
D4171	MA2C165001VT	DIODE SI	
D4171	B0AACK000004	DIODE SI	
D4171	188119	DIODE SI	
D4526	MAZ40560MF	DIODE ZENER 5.6V	
D4527	MAZ40560MF	DIODE ZENER 5.6V	
D4528	MAZ40390HF	DIODE ZENER 3.9V	
D4711	MAZ41100LF	DIODE ZENER 11V	
D4711	MAZ4110NHF	DIODE ZENER 11V	
D5501	MAZ40620L1KT	DIODE ZENER 6.2V	Δ
D5602	MA2C165001VT	DIODE SI	
D5602	B0AACK000004	DIODE SI	
D5602	188119	DIODE SI	
D5603	MA2C165001VT	DIODE SI	
D5603	B0AACK000004	DIODE SI	
D5603	188119	DIODE SI	
D6001	VEK\$5708	SENSOR LED UNIT	
D6003	MA2C165001VT	DIODE SI	
D6003	B0AACK000004	DIODE SI	
D6003	188119	DIODE SI	
D6005	MA2C165001VT	DIODE SI	
D6005	B0AACK000004	DIODE SI	
D6005	188119	DIODE SI	
D6301	B3AAA0000538	LIGHT EMITTING DIODE RED	
D6302	B3ACA0000192	LIGHT EMITTING DIODE ORANGE	
D6303	B3ABA0000400	LIGHT EMITTING DIODE GREEN	
D9301	MA2C165001VT	DIODE SI	
D9301	B0AACK000004	DIODE SI	
D9301	155119	DIODE SI	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R401	ERDS2TJ471	CARBON 1/4W 470	
R402	ERDS2TJ223	CARBON 1/4W 22K	
R409	ERJ6GEYJ333V	MGF CHIP 1/10W 33K	
R410	ERDS2TJ392	CARBON 1/4W 3.9K	
R411	ERDS2TJ823	CARBON 1/4W 82K	
R413	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	
R414	ERDS1FJ1R2P	CARBON 1/2W 1.2	\triangle
R422	ERD25FJ101P	CARBON 1/4W 100	\triangle
R427	ERQ14AJ5R6P	FUSE 1/4W 5.6	Δ
R431	ERDS2TJ103	CARBON 1/4W 10K	
R432	ERJ6GEYJ563V	MGF CHIP 1/10W 56K	
R433	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R434	ERDS2TJ103	CARBON 1/4W 10K	
R435	ERDS2TJ102	CARBON 1/4W 1K	
R436	ERJ6GEYJ104V	MGF CHIP 1/10W 100K	
R466	ERJ6GEYJ683V	MGF CHIP 1/10W 68K	
R468	ERDS2TJ102	CARBON 1/4W 1K	
R471	ERDS1FJ152P	CARBON 1/2W 1.5K	Δ
R501	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R502	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R503	EROS2THF7871	PRECISION METAL FILM 1/4W 7.87K	A
R503	EROS2TKF7871	PRECISION METAL FILM 1/4W 7.87K	Δ
R504	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R505	ERDS2TJ561	CARBON 1/4W 560	
R509	ERDS2TJ101	CARBON 1/4W 100	

Ref.	Part No.	Part Name & Description	Remarks
No. R511	ERG3FJ222H	METAL OXIDE 3W 0.22	+
R516	LAR05222J09		+
		W FLMPRF 5W 2.2K	
R517	ERDS2TJ472 ERDS1FJ1R0P	CARBON 1/4W 4.7K	
R518 R519	ERDS1FJ1R0F	CARBON 1/2W 1 CARBON 1/4W 12K	
R520	ERDS2TJ562	CARBON 1/4W 5.6K	
R525	ERDS2TJ122	CARBON 1/4W 1.2K	+
R529	ERDS2TJ103	CARBON 1/4W 10K	
R531	ERDS2TJ223	CARBON 1/4W 22K	1
R533	ERDS2TJ152	CARBON 1/4W 2.5K	+
R534	ERDS2TJ681	CARBON 1/4W 680	1
R535	ERDS2TJ471	CARBON 1/4W 470	
R536	ERG2ANJ153H	METAL OXIDE 2W 15K	
R536	ERG2ANJP153H	METAL OXIDE 2W 15K	
R537	ERG2ANJ153H	METAL OXIDE 2W 15K	
R537	ERG2ANJP153H	METAL OXIDE 2W 15K	
R538	ERDS2TJ473	CARBON 1/4W 47K	
R539	ERDS2TJ473	CARBON 1/4W 47K	
R540	ERDS2TJ562	CARBON 1/4W 5.6K	
R541	ERDS2TJ222	CARBON 1/4W 2.2K	
R542	ERDS2TJ473	CARBON 1/4W 47K	
R543	ERDS2TJ102	CARBON 1/4W 1K	
R544	ERDS2TJ101	CARBON 1/4W 100	
R545	ERDS2TJ152	CARBON 1/4W 1.5K	
R546	ERDS2TJ223	CARBON 1/4W 1.3K	
R552	ERDS2TJ472	CARBON 1/4W 4.7K	
R553	ERDS2TJ102	CARBON 1/4W 1K	
R554	ERDS2TJ123	CARBON 1/4W 12K	
R555	ERDS2TJ823	CARBON 1/4W 82K	
R556	ERDS2TJ823	CARBON 1/4W 82K	
R558	ERG2ANJ561H	METAL OXIDE 2W 560	
R559	ERDS2TJ123	CARBON 1/4W 12K	+
R561	ERQ1CKPR47S	FUSE 1W 0.47	Δ
R562	ERF2AK3R9P	W FLMPRF 2W 3.9	
R571	ERDS2TJ101	CARBON 1/4W 100	
R572	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R573	ERDS2TJ221	CARBON 1/4W 220	
R574	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	
R581	ERDS1FJ1R5P	CARBON 1/2W 1.5	Δ
R582	ERDS1FJ1R5P	CARBON 1/2W 1.5	Δ
R584	ERDS2TJ272	CARBON 1/4W 2.7K	
R585	ERDS2TJ473	CARBON 1/4W 47K	
R586	ERDS2TJ393	CARBON 1/4W 39K	
R593	ERF5ZJ121	W FLMPRF 5W 120	
R801	ERF3AKR82	W FLMPRF 3W 0.82	Δ
R802	ERDS1FJ103P	CARBON 1/2W 10K	Δ
R804	ERF15ZJ181	W FLMPRF 15W 180	
R805	ERDS2TJ104	CARBON 1/4W 100K	
R806	ERQ14AJ470P	FUSE 1/4W 47	Δ
R810	ERDS2TJ103	CARBON 1/4W 10K	
R813	ERDS2TJ104	CARBON 1/4W 100K	
R818	VRESC2TK825T	SOLID 1/2W 8.2M	Δ
R865	ERDS2TJ222	CARBON 1/4W 2.2K	
R1003	D0AF334JA038	CARBON 1/2W 330K	
R1004	ERG2SJ333H	METAL OXIDE 2W 33K	
R1005	ERG1SJ560P	METAL OXIDE 1W 56	
R1006	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R1007	ERDS2TJ101	CARBON 1/4W 100	
R1008	ERDS2TJ392	CARBON 1/4W 3.9K	
R1010	ERD25FJ100P	CARBON 1/4W 10	Δ
R1014	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R1015	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R1016	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R1017	D1BD2431A016	MGF CHIP 1/10W 2.43K	
R1018	D0HD222ZA002	MGF CHIP 1/10W 2.2K	
R1025	ERDS2TJ300T	CARBON 1/4W 30	
R1026	ERDS2TJ300T	CARBON 1/4W 30	
R1051	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R1052	ERDS2TJ153	CARBON 1/4W 15K	
R1053	ERDS2TJ153	CARBON 1/4W 15K	
R1057	ERDS2TJ331	CARBON 1/4W 330	
R1058	ERJ6GEYJ104V	MGF CHIP 1/10W 100K	
R1070	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
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Ref.	Part No.	Part Name & Description	Remarks
R1071	ERJ6GEYJ154V	MGF CHIP 1/10W 150K	
R1072	ERJ6GEYJ152V	MGF CHIP 1/10W 1.5K	
R1073	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R1074	ERDS2T0T	CARBON 1/4W 0	
R3001	ERDS2TJ101	CARBON 1/4W 100	
R3006	ERDS2TJ101	CARBON 1/4W 100	
R3016	ERJ6GEYJ121V	MGF CHIP 1/10W 120	
R3017	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R3024	ERJ6GEYJ471V	MGF CHIP 1/10W 470	-
R3025	ERJ6GEYJ125V	MGF CHIP 1/10W 1.2M	-
R3026	ERJ6GEYJ474V	MGF CHIP 1/10W 470K	
R3028	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R3029	ERJ6GEYJ151V	MGF CHIP 1/10W 150	+
R3032 R3035	ERJ6GEYJ122V ERJ6GEYJ103V	MGF CHIP 1/10W 1.2K MGF CHIP 1/10W 10K	
R3036	ERJ6GEYJ102V	MGF CHIP 1/10W 10K	
R3037	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R3038	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	+
R3077	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R3084	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	1
R3086	ERJ6GEYJ221V	MGF CHIP 1/10W 220	1
R3091	ERJ6GEYJ750V	MGF CHIP 1/10W 75	1
R3301	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	1
R3302	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	1
R3303	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R4001	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R4002	ERJ6GEYJ334V	MGF CHIP 1/10W 330K	
R4003	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R4004	ERJ6GEYJ333V	MGF CHIP 1/10W 33K	
R4005	ERJ6GEYJ225V	MGF CHIP 1/10W 2.2M	
R4006	ERJ6GEYJ681V	MGF CHIP 1/10W 680	
R4007	ERJ6GEYJ821V	MGF CHIP 1/10W 820	
R4008	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	
R4009	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4010	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4011	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	
R4012	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	
R4014	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R4015	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R4018	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	
R4021	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	-
R4101	ERJ6GEYJ563V	MGF CHIP 1/10W 56K	
R4102	ERJ6GEYJ154V	MGF CHIP 1/10W 150K	
R4103	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	-
R4172	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	+
R4175	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4502	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	+
R4504	ERJ6GEYJ823V ERDS2TJ100	MGF CHIP 1/10W 82K	+
R4509 R4512	ERJ6GEYJ102V	CARBON 1/4W 10 MGF CHIP 1/10W 1K	+
R4512	ERJ6GEYJ823V	MGF CHIP 1/10W IX	+
R4514	ERDS2TJ100	CARBON 1/4W 10	+
R4521	ERQ1ABJP2R2S	FUSE 1W 2.2	Δ
R4523	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R4591	ERDS2TJ681	CARBON 1/4W 680	
R4592	ERDS2TJ681	CARBON 1/4W 680	1
R4593	ERDS2TJ681	CARBON 1/4W 680	
R4594	ERDS2TJ681	CARBON 1/4W 680	
R4701	ERJ6GEYJ561V	MGF CHIP 1/10W 560	1
R5301	ERJ6GEYJ221V	MGF CHIP 1/10W 220	\perp
R5304	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R5305	ERJ6GEYJ224V	MGF CHIP 1/10W 220K	
R5306	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R5307	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R5308	ERJ6GEYJ563V	MGF CHIP 1/10W 56K	
R5309	ERJ6GEYJ274V	MGF CHIP 1/10W 270K	
R5311	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R5312	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R5313	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R5314	ERDS2TJ272	CARBON 1/4W 2.7K	
	I	CARBON 1/4W 2.7K	1
R5315	ERDS2TJ272	CARBON 1/4W 2./K	
R5315 R5316	ERDS2TJ272 ERDS2TJ272	CARBON 1/4W 2.7K CARBON 1/4W 100	

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Ref.	Part No.	Part Name & Description	Remarks
No.			
R5324	ERJ6GEYJ101V	MGF CHIP 1/10W 100	-
R5401	ERJ6GEYJ561V	MGF CHIP 1/10W 560	P : -
R5402	ERJ6GEYJ394V	MGF CHIP 1/10W 390K	E
R5403	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R5405	ERJ6GEYJ822V	MGF CHIP 1/10W 8.2K	
R5406	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5501	ERJ6GEYJ471V	MGF CHIP 1/10W 470	_
R5502	ERJ6GEYJ394V	MGF CHIP 1/10W 390K	+
R5503	ERDS2TJ471	CARBON 1/4W 470	+
R5504	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5505	ERJ6ENF3241V	MGF CHIP 1/10W 3.24K	<u> </u>
R5506	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R5508	ERJ6GEYJ561V	MGF CHIP 1/10W 560	+
R5510 R5511	ERJ6GEYJ101V ERJ6GEYJ222V	MGF CHIP 1/10W 100 MGF CHIP 1/10W 2.2K	1 1
R5512	ERDS2TJ151	CARBON 1/4W 150	1
R5513	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5601	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R5604	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	+
R5611	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	+
R5612	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R5614	ERJ6GEYJ563V	MGF CHIP 1/10W 22K	+
R5902	ERJ6GEYJ102V	MGF CHIP 1/10W 36K	+
R5932	ERJ6GEYJ101V	MGF CHIP 1/10W IR	1
R5932	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6001	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6002	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6003	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	1
R6004	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	-
R6005	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6006	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6007	ERJ6GEYJ221V	MGF CHIP 1/10W 220	+
R6008	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6010	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6011	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6012	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6014	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6015	ERJ6GEYJ101V	MGF CHIP 1/10W 100	(·
R6016	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6017	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6018	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6019	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6021	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6022	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R6023	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6024	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6025	ERJ6GEY0R00V	MGF CHIP 1/10W 0	V-10-10 Page 10-10-10-10-10-10-10-10-10-10-10-10-10-1
R6026	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6028	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6029	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6030	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6032	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R6035	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6040	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6041	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6042	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6043	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6044	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6045	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6046	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6049	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R6050	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6053	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6054	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6055	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6056	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6057	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6058			F .
R6058 R6059	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	1
	ERJ6GEYJ222V ERJ6GEYJ102V	MGF CHIP 1/10W 2.2K MGF CHIP 1/10W 1K	
R6059			
R6059 R6060	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	

Ref. Part No. No. R6064 ERJ6GEYJ103V R6066 ERJ6GEYJ102V R6067 ERJ6GEYJ102V	Part Name & Description MGF CHIP 1/10W 10K	Remarks
R6066 ERJ6GEYJ102V R6067 ERJ6GEYJ102V	MGF CHIP 1/10W 10K	
R6067 ERJ6GEYJ102V		
	MGF CHIP 1/10W 1K	
DC077	MGF CHIP 1/10W 1K	
R6077 ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6078 ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6080 ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R6081 ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R6082 ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6090 ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R6091 ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R6092 ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R6093 ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6094 ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6098 ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6099 ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6100 ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6113 ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6114 ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	1
	·	
R6115 ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6116 ERDS2TJ101	CARBON 1/4W 100	+
R6118 ERJ6GEYJ104V	MGF CHIP 1/10W 100K	
R6119 ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6120 ERJ6GEYJ104V	MGF CHIP 1/10W 100K	
R6121 ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6122 ERJ6GEYJ181V	MGF CHIP 1/10W 180	
R6123 ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6124 ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6126 ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6127 ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6130 ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6131 ERJ6GEYJ183V	MGF CHIP 1/10W 18K	
R6132 ERJ6GEYJ391V	MGF CHIP 1/10W 390	
R6133 ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6134 ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6135 ERJ6GEYJ475V	MGF CHIP 1/10W 4.7M	
R6136 ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R6137 ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6138 ERDS2TJ560T	CARBON 1/4W 56	
R6142 ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	+
R6143 ERJ6GEYJ223V	MGF CHIP 1/10W 22K	+
R6144 ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
		+
	MGF CHIP 1/10W 27K	+
R6149 ERJ6GEYJ273V	MGF CHIP 1/10W 27K	
R6150 ERJ6GEYJ273V	MGF CHIP 1/10W 27K	-
R6160 ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	+
R6161 ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6162 ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6163 ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	ļ
R6164 ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6165 ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6166 ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6170 ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6201 ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6202 ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6203 ERJ6GEYJ274V	MGF CHIP 1/10W 270K	
R6204 ERJ6GEYJ184V	MGF CHIP 1/10W 180K	
R6205 ERJ6GEYJ103V	MGF CHIP 1/10W 10K	5 -
R6207 ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6208 ERJ6GEYJ152V	MGF CHIP 1/10W 1.5K	
R6209 ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6210 ERJ6GEYJ563V	MGF CHIP 1/10W 56K	
R6211 ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6212 ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	
R6301 ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	1
R6302 ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
		+
R6303 ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6304 ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	+
R6305 ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6306 ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	-
R6307 ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R7001 ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7002 ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7003 ERJ6GEYJ102V	MGF CHIP 1/10W 1K	

Ref.	Part No.	Part Name & Description	Remarks
R7004	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7006	ERJ6GEYJ271V	MGF CHIP 1/10W 270	
R7007	ERDS2TJ102	CARBON 1/4W 1K	
R9001	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R9002	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R9004	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R9005	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R9007	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R9008	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R9009	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R9010	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R9011	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R9012	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R9201	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R9202	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R9203	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R9204	ERJ6GEYJ224V	MGF CHIP 1/10W 220K	
R9205	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R9206	EVMAASA00B53	VARIABLE 5K	
R9207	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R9208	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R9209	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R9212	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R9213	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R9214	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R9215	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R9216	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R9217	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R9303	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C401	ECA1HM2R2B	ELECTROLYTIC 50V 2.2UF	
C402	ECA1CM471B	ELECTROLYTIC 16V 470UF	
C408	ECA1HGE010KB	ELECTROLYTIC 50V 1UF	
C409	ECA1VM101B	ELECTROLYTIC 35V 100UF	
C413	ECQB1H104KF	POLYESTER 50V 0.1UF	
C414	ECA1EM102B	ELECTROLYTIC 25V 1000UF	
C418	ECA1VM221B	ELECTROLYTIC 35V 220UF	
C459	ECQB1H103KF3	POLYESTER 50V 0.01UF	
C510	ECKR2H102KB5	CERAMIC 500V 1000PF	
C513	ECA1EM101B	ELECTROLYTIC 25V 100UF	
C531	ECA1HM3R3B	ELECTROLYTIC 50V 3.3UF	
C533	ECA1EM101B	ELECTROLYTIC 25V 100UF	
C534	ECRA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C552	ECA1EM471B	ELECTROLYTIC 25V 470	
C554	ECWH12H912JS	POLYESTER 1.2KV 0.091UF	Δ
C554	ECWH16912JVB	POLYESTER 1.2KV 0.091UF	Δ
C554	F0A3C912A002	POLYESTER 1250V 0.091UF	Δ
C556	ECWF2434JBB	POLYESTER 500V 0.43UF	Δ
C556	ECWF2434JSB	POLYESTER 500V 0.43UF	Δ
C556	F0C2E434A049	POLYESTER 250V 0.43UF	Δ
C556	LSCFM2434JM	POLYESTER 500V 0.33UF	Δ
C558	ECA1VM331B	ELECTROLYTIC 35V 330UF	
C560	ECA2EM100B	ELECTROLYTIC 250V 10UF	Δ
C561	ECA1HM2R2B	ELECTROLYTIC 50V 2.2UF	
C563	ECEA180V33WE	ELECTROLYTIC 180V 33UF	
C571	ECA1HM100B	ELECTROLYTIC 50V 10UF	
C572	ECA1CM221B	ELECTROLYTIC 16V 220UF	
C573	ECKR2H122KB5	CERAMIC 50V 1200PF	
C801	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C802	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C803	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C804	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C805	EC0S2PP471BB	ELECTROLYTIC 180V 470UF	Δ
C805	ECES2PU471HG	ELECTROLYTIC 180V 470UF	Δ
C805	F2B2D4710012	ELECTROLYTIC 180V 470UF	Δ
C805	F2B2D4710013	ELECTROLYTIC 180V 470UF	A
C806	ECA2EM220E	ELECTROLYTIC 250V 22UF	
C807	J0LE00000023	ARRESTER	Δ
C808	ECQU2A823MLA	POLYESTER 250V 0.082UF	Δ
C809	F1B2E101A009	CERAMIC 250V 100PF	Δ
C811	F1B2E152A012	CERAMIC 250V 1500PF	Δ

Ref. No.	Part No.	Part Name & Description	Remarks
C1001	ECKATS103MF	CERAMIC 250V 0.01UF	Δ
C1001	ECKETS103MF	CERAMIC 125V 0.01UF	⚠
C1001	VCKST3G103MY	CERAMIC 250V 0.01UF	Δ
C1001	VCKSU3D103MY	CERAMIC 125V 0.01UF	<u> </u>
C1002	ECKATS332ME8	CERAMIC 250V 3300PF	<u> </u>
C1002	ECKDNB332ME8	CERAMIC 125V 3300PF	<u> </u>
C1002	ECKETS332ME8	CERAMIC 125V 3300PF	<u>A</u>
C1002	VCKST3G332MX	CERAMIC 250V 3300PF	<u>A</u>
C1002	VCKSU3D332MX	CERAMIC 125V 3300PF	<u> </u>
C1003	F1B2E102A012	CERAMIC 250V 1000PF	<u> </u>
C1003	F1B2E102A011	CERAMIC 250V 1000PF	<u>A</u>
C1003	F1B2E102A044	CERAMIC 250V 1000PF	<u>A</u>
C1003	F1B2E102A045	CERAMIC 250V 1000PF	<u> </u>
C1003	F1B2E1020005	CERAMIC 250V 1000PF	<u>A</u>
C1004	ECEA2DU121YE	ELECTROLYTIC 200V 120UF	Δ
C1004	F2A2D1210001	ELECTROLYTIC 200V 120UF	Δ
C1004	F2A2D1210001	ELECTROLYTIC 200V 120UF	<u>A</u>
C1004	VCESR2D121XE	BLECTROLYTIC 200V 120UF	
C1004	ECA2DHG4R7B	ELECTROLYTIC 200V 1200F	(1)
C1005	ECKR2H221KB5	CERAMIC 500V 220PF	
C1007	ECJ2VB1C224K	C CHIP 16V 0.22UF	
C1007	VCYSBRE183KX	CERAMIC 25V 0.018UF	
C1010	ECJ2VB1H102K	C CHIP 50V 1000PF	1
C1011	ECA1HHG470B	ELECTROLYTIC 50V 47UF	
C1012	ECEA1PEE331	ELECTROLYTIC 18V 330UF	1
C1012	ECA1EM331B	ELECTROLYTIC 25V 330UF	
C1016	ECEA1PEE331	ELECTROLYTIC 18V 330UF	
C1017	ECA0JM102B	ELECTROLYTIC 6.3V 1000UF	
C1018	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C1025	F1B2E101A009	CERAMIC 250V 100PF	Δ
C1025	F1B2E101A008	CERAMIC 250V 100PF	<u>A</u>
C1025	F1B2E101A032	CERAMIC 250V 100PF	Δ
C1025	F1B2E101A037	CERAMIC 250V 100PF	Δ
C1029	ECJ2VC1H101J	C CHIP 50V 100PF	
C1030	VCYSBRE183KX	CERAMIC 25V 0.018UF	
C1051	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	
C1052	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C1058	ECEA0JEE101	ELECTROLYTIC 6.3V 100UF	
C1059	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C1060	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C1070	ECEA1CKA220B	ELECTROLYTIC 16V 22UF	
C1071	ECJ2VC1H101J	C CHIP 50V 100PF	
		ELECTROLYTIC 6.3V 470UF	
C1072	ECA0JM471		
C1072 C3003	ECA0JM471 ECJ2VF1E104Z	C CHIP 25V 0.1UF	
	-	C CHIP 25V 0.1UF C CHIP 50V 0.01UF	
C3003	ECJ2VF1E104Z		
C3003 C3004 C3006 C3007	ECJ2VF1E104Z ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3003 C3004 C3006	ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1E104Z	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF	
C3003 C3004 C3006 C3007	ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1E104Z ECEA0JKA101 ECJ2VC1H181J ECEA1EKA4R7	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3010	ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1E104Z ECEA0JKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3010 C3013	ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1E104Z ECEA0JKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z ECJ2VF1C224Z	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3010 C3013 C3015	ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1E104Z ECEA0JKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z ECJ2VF1C224Z	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 6.3V 47UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3010 C3013 C3015 C3016	ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1E104Z ECEA0JKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z ECJ2VF1C224Z ECEA0JKA470 ECEA1CKA100	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 6.3V 47UF ELECTROLYTIC 16V 10UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3010 C3013 C3015 C3016 C3019	ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1E104Z ECEA0JKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z ECJ2VF1C224Z ECEA0JKA470 ECEA1CKA100 ECEA1HKA2R2	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 6.3V 47UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 50V 2.2UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3010 C3013 C3015 C3016 C3019 C3020	ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1E104Z ECEA0JKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z ECJ2VF1C224Z ECEA0JKA470 ECEA1CKA100 ECEA1HKA2R2 ECEA1CKA220	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 6.3V 47UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 16V 22UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3001 C3013 C3015 C3016 C3019 C3020 C3021	ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1E104Z ECEA0JKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z ECJ2VF1C224Z ECEA0JKA470 ECEA1CKA100 ECEA1HKA2R2 ECEA1CKA220 ECEA1HKA2R2	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 6.3V 47UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 16V 22UF ELECTROLYTIC 16V 22UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3001 C30013 C30015 C30016 C30019 C30020 C30021 C30022	ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1E104Z ECEA0JKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z ECJ2VF1C224Z ECEA0JKA470 ECEA1CKA100 ECEA1HKA2R2 ECEA1CKA220 ECEA1HKA2R2	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 6.3V 47UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 16V 22UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 50V 2.2UF C CHIP 16V 0.22UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3001 C30015 C30015 C30016 C30019 C30020 C30021 C30022 C30023	ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1E104Z ECEA0JKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z ECJ2VF1C224Z ECEA0JKA470 ECEA1CKA100 ECEA1HKA2R2 ECEA1CKA220 ECEA1HKA2R2 ECJ2VF1C224Z ECJ2VF1C224Z	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 6.3V 47UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 16V 22UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 50V 2.2UF C CHIP 16V 0.22UF C CHIP 50V 68PF	
C3003 C3004 C3006 C3007 C3008 C3009 C3001 C30015 C30016 C30019 C30020 C30021 C30022 C30023 C30024	ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1E104Z ECEA0UKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z ECJ2VF1C224Z ECEA0JKA470 ECEA1CKA100 ECEA1KA2R2 ECEA1CKA220 ECEA1KA2R2 ECJ2VF1C224Z ECJ2VF1C224Z ECJ2VF1C224Z	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 6.3V 47UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 16V 22UF ELECTROLYTIC 50V 2.2UF C CHIP 16V 0.22UF C CHIP 16V 0.22UF C CHIP 50V 68PF C CHIP 25V 0.1UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3001 C30015 C30016 C30019 C30020 C30021 C30022 C30023 C30024 C30025	ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1E104Z ECEA0JKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z ECJ2VF1C224Z ECEA0JKA470 ECEA1CKA100 ECEA1KA2R2 ECEA1CKA220 ECEA1KA2R2 ECJ2VF1C224Z ECJ2VF1C224Z ECJ2VF1C224Z ECJ2VF1C224Z ECJ2VF1C224Z	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 6.3V 47UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 16V 22UF ELECTROLYTIC 50V 2.2UF C CHIP 16V 0.22UF C CHIP 16V 0.22UF C CHIP 50V 68PF C CHIP 25V 0.1UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3001 C3001 C30015 C30016 C30019 C30020 C3021 C3022 C3023 C3024 C3025 C3026	ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1E104Z ECEA0JKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z ECJ2VF1C224Z ECEA0JKA470 ECEA1CKA100 ECEA1KA2R2 ECEA1CKA220 ECEA1KA2R2 ECJ2VF1C224Z ECJ2VF1C224Z ECJ2VF1C224Z ECJ2VF1C224Z ECJ2VF1C224Z ECJ2VF1E104Z ECJ2VF1E104Z	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 6.3V 47UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 16V 22UF ELECTROLYTIC 50V 2.2UF C CHIP 16V 0.22UF C CHIP 16V 0.22UF C CHIP 50V 68PF C CHIP 25V 0.1UF C CHIP 50V 8200PF	
C3003 C3004 C3006 C3007 C3008 C3009 C3001 C30015 C30016 C30019 C30020 C30021 C30022 C30023 C30024 C30025 C30026 C30027	ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1E104Z ECEA0JKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z ECJ2VF1C224Z ECEA0JKA470 ECEA1CKA100 ECEA1KA2R2 ECEA1CKA220 ECEA1KA2R2 ECJ2VF1C224Z ECJ2VF1C224Z ECJ2VF1C224Z ECJ2VF1C224Z ECJ2VF1B104Z ECJ2VB1B104K ECJ2VB1B104K	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 6.3V 47UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 22UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 50V 2.2UF C CHIP 16V 0.22UF C CHIP 16V 0.22UF C CHIP 50V 68PF C CHIP 25V 0.1UF C CHIP 50V 8200PF C CHIP 50V 0.01UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3001 C30015 C30016 C30019 C30020 C30021 C30022 C30023 C30024 C30025 C30026 C30027 C30030	ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1E104Z ECEA0JKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z ECJ2VF1C224Z ECEA0JKA470 ECEA1CKA100 ECEA1KA2R2 ECEA1CKA220 ECEA1KA2R2 ECJ2VF1C224Z ECJ2VF1C224Z ECJ2VF1C224Z ECJ2VF1C224Z ECJ2VF1B104Z ECJ2VF1B104Z ECJ2VB1B104K ECJ2VB1B104K ECJ2VB1H03Z ECJ2VF1H103Z	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 6.3V 47UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 22UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 50V 2.2UF C CHIP 16V 0.22UF C CHIP 16V 0.22UF C CHIP 50V 68PF C CHIP 25V 0.1UF C CHIP 50V 8200PF C CHIP 50V 0.01UF C CHIP 50V 0.01UF C CHIP 50V 0.01UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3001 C30015 C30016 C30019 C3002 C30021 C30022 C30023 C30024 C30025 C30026 C30027 C30030 C30031	ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1E104Z ECGAOUKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z ECJ2VF1C224Z ECEA0JKA470 ECEA1CKA100 ECEA1CKA220 ECEA1CKA220 ECEA1CKA220 ECGA1HKA2R2 ECJ2VF1C224Z ECJ2VF1C224Z ECJ2VF1C224Z ECJ2VF1H103Z ECJ2VF1E104Z ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1H103Z ECJ2VF1H103Z ECJ2VF1E104Z	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 6.3V 47UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 22UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 50V 2.2UF C CHIP 16V 0.22UF C CHIP 16V 0.22UF C CHIP 25V 0.1UF C CHIP 25V 0.1UF C CHIP 50V 8200PF C CHIP 50V 0.01UF C CHIP 50V 0.01UF C CHIP 50V 0.01UF C CHIP 50V 0.01UF C CHIP 50V 0.01UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3010 C3013 C3015 C3016 C3019 C3022 C3022 C3022 C3022 C3022 C3023 C3024 C3025 C3026 C3027 C3030 C3031 C3031 C3032	ECJ2VF1E104Z ECJ2VF1E104Z ECJ2VF1E104Z ECGAOJKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1E103Z ECJ2VF1C224Z ECGAOJKA100 ECGA1CKA100 ECGA1CKA100 ECGA1KA2R2 ECGA1CKA220 ECGA1CKA220 ECGA1CKA220 ECGA1CKA220 ECGA1CKA220 ECGA1CKA220 ECGA1CKA220 ECGA1CKA220 ECGA1CKA220 ECGA1CKA220 ECGA1CKA220 ECGA1CKA220 ECGA1CKA220 ECGA1CKA220 ECGA1CKA200 E	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 6.3V 47UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 16V 22UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 50V 2.2UF C CHIP 16V 0.22UF C CHIP 16V 0.22UF C CHIP 50V 68PF C CHIP 25V 0.1UF C CHIP 25V 0.1UF C CHIP 50V 8200PF C CHIP 50V 0.01UF C CHIP 50V 0.01UF C CHIP 50V 0.01UF C CHIP 50V 0.01UF C CHIP 50V 0.01UF C CHIP 50V 0.01UF C CHIP 50V 0.01UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3010 C3013 C3015 C3016 C3019 C3021 C3022 C3022 C3022 C3022 C3023 C3024 C3025 C3026 C3027 C3030 C3031 C3032 C3032 C3032 C3032 C3032 C3032 C3032 C3032 C3033	ECJ2VF1E104Z ECJ2VF1E104Z ECJ2VF1E104Z ECGAOJKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1E103Z ECJ2VF1C224Z ECGAOJKA100 ECGA1CKA100 ECGA1CKA100 ECGA1CKA220 ECGA1CKA20 ECGA1CK	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 16V 22UF ELECTROLYTIC 50V 2.2UF C CHIP 16V 0.22UF C CHIP 16V 0.22UF C CHIP 16V 0.22UF C CHIP 50V 68PF C CHIP 50V 68PF C CHIP 25V 0.1UF C CHIP 50V 0.01UF C CHIP 50V 0.01UF C CHIP 50V 0.01UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3010 C3013 C3015 C3016 C3019 C3020 C3021 C3022 C3022 C3022 C3023 C3024 C3025 C3026 C3027 C3030 C3031 C3032 C30331 C3032 C30334 C3035	ECJ2VF1E104Z ECJ2VF1E104Z ECJ2VF1E104Z ECGAOJKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z ECJ2VF1C224Z ECGAOJKA100 ECGA1CKA100 ECGA1CKA100 ECGA1CKA220	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 16V 22UF ELECTROLYTIC 16V 22UF C CHIP 16V 0.22UF C CHIP 16V 0.22UF C CHIP 16V 0.22UF C CHIP 50V 68PF C CHIP 25V 0.1UF C CHIP 25V 0.1UF C CHIP 50V 0.01UF C CHIP 50V 0.01UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3010 C3013 C3015 C3016 C3019 C3020 C3021 C3022 C3022 C3024 C3025 C3026 C3027 C3030 C3031 C3032 C3034 C3032 C3034 C3035 C3036	ECJ2VF1E104Z ECJ2VF1E104Z ECJ2VF1E104Z ECGAOJKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z ECJ2VF1C224Z ECEA0JKA470 ECEA1CKA100 ECEA1CKA100 ECEA1KA2R2 ECGA1CKA220 ECEA1CKA220 ECEA1CKA220 ECGA1CKA220 E	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 16V 22UF C CHIP 16V 0.22UF C CHIP 16V 0.22UF C CHIP 16V 0.22UF C CHIP 50V 68PF C CHIP 25V 0.1UF C CHIP 25V 0.1UF C CHIP 50V 0.01UF C CHIP 50V 0.01UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.33PF C CHIP 50V 0.1UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3010 C3015 C3016 C3019 C3020 C3021 C3022 C3022 C3024 C3025 C3026 C3027 C3030 C3031 C3032 C3034 C3035 C3036 C3038	ECJ2VF1E104Z ECJ2VF1E104Z ECJ2VF1E104Z ECGAOJKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z ECJ2VF1C224Z ECEA0JKA470 ECEA1CKA100 ECEA1CKA100 ECEA1KA2R2 ECGA1CKA220 ECEA1CKA220 ECEA1CKA220 ECGA1HKA2R2 ECJ2VF1C224Z ECJ2VC1H680J ECJ2VF1E104Z ECJ2VF1H103Z ECJ2VF1H103Z ECJ2VF1H103Z ECJ2VF1H103Z ECJ2VF1E104Z ECJ2VF1E104Z ECJ2VF1E104Z ECJ2VF1C474Z ECJ2VC1H81J ECJ2VC1H330J ECJ2VF1E104Z ECJ2VF1E104Z	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 6.3V 47UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 50V 2.2UF C CHIP 16V 0.22UF C CHIP 16V 0.22UF C CHIP 16V 0.22UF C CHIP 50V 68PF C CHIP 25V 0.1UF C CHIP 25V 0.1UF C CHIP 50V 8200PF C CHIP 50V 0.01UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.47UF C CHIP 50V 180PF C CHIP 50V 33PF C CHIP 50V 0.1UF ELECTROLYTIC 16V 10UF	
C3003 C3004 C3006 C3007 C3008 C3009 C3010 C3013 C3015 C3016 C3019 C3020 C3021 C3022 C3022 C3024 C3025 C3026 C3027 C3030 C3031 C3032 C3034 C3032 C3034 C3035 C3036	ECJ2VF1E104Z ECJ2VF1E104Z ECJ2VF1E104Z ECGAOJKA101 ECJ2VC1H181J ECEA1EKA4R7 ECJ2VF1H103Z ECJ2VF1C224Z ECEA0JKA470 ECEA1CKA100 ECEA1CKA100 ECEA1KA2R2 ECGA1CKA220 ECEA1CKA220 ECEA1CKA220 ECGA1CKA220 E	C CHIP 50V 0.01UF C CHIP 25V 0.1UF ELECTROLYTIC 6.3V 100UF C CHIP 50V 180PF ELECTROLYTIC 25V 4.7UF C CHIP 50V 0.01UF C CHIP 16V 0.22UF ELECTROLYTIC 16V 10UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 50V 2.2UF ELECTROLYTIC 16V 22UF C CHIP 16V 0.22UF C CHIP 16V 0.22UF C CHIP 16V 0.22UF C CHIP 50V 68PF C CHIP 25V 0.1UF C CHIP 25V 0.1UF C CHIP 50V 0.01UF C CHIP 50V 0.01UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.1UF C CHIP 50V 0.33PF C CHIP 50V 0.1UF	

Ref.	Part No.	Part Name & Description	Remarks
No.		_	
C3045	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	
C3046	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C3047	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	-
C3048	ECJ2VF1E104Z	C CHIP 25V 0.1UF	-
C3050	ECEA1HKA2R2 ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3053	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3056	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3057	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3058	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3082	ECJ2VB1H332K	C CHIP 50V 3300PF	
C3231	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C3232	ECJ2VB1H102K	C CHIP 50V 1000PF	
C3234	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C3235	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3236	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3237	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4001	ECJ2VF1C224Z	C CHIP 16V 0.22UF	
C4002	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4003	ECJ2VB1H272K	C CHIP 50V 2700PF	
C4004	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4005	ECEA0JKA220	ELECTROLYTIC 6.3V 22UF	+
C4006	ECJ2VB1H102K	C CHIP 50V 1000PF ELECTROLYTIC 6.3V 22UF	+
	ECEAOJKA220		
C4008	ECEA0JKA470 ECEA1CKA100	ELECTROLYTIC 6.3V 47UF ELECTROLYTIC 16V 10UF	
C4010	ECJ2VB1E333K	C CHIP 25V 0.033UF	l
C4011	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4012	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4013	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C4014	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4020	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4102	ECQB1562JF3	POLYESTER 100V 5600PF	
C4103	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4104	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4105	ECEA1CKA220	ELECTROLYTIC 16V 22UF	
C4171	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4502	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4504	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C4506	ECEA1CKA470	ELECTROLYTIC 16V 47UF	ļ
C4508	ECA1CM221B	ELECTROLYTIC 16V 220UF	
C4509 C4512	ECJ2VB1E473K	C CHIP 25V 0.047UF ELECTROLYTIC 16V 10UF	
C4512	ECEA1CKA100	ELECTROLYTIC 25V 4.7UF	
C4514	ECEA1EKA4R7 ECEA1CKA470	ELECTROLYTIC 16V 47UF	-
C4518	ECA1CM221B	ELECTROLYTIC 16V 220UF	
C4519	ECJ2VB1E473K	C CHIP 25V 0.047UF	
C4521	ECA1EM102B	ELECTROLYTIC 25V 1000UF	
C4524	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4525	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5301	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5302	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C5303	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	
C5305	ECEA1HKAR33	ELECTROLYTIC 50V 0.33UF	
C5306	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5307	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5308	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5401	VCUSTBC224KB	C CHIP 16V 0.22UF	
C5402	ECJ2VB1H222K	C CHIP 50V 2200PF	
C5403	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	-
C5501	ECJ2VB1E183K	C CHIP 25V 0.018UF	-
C5502	ECJ2VB1H681K	C CHIP 50V 680PF	
C5505	ECEA1CKA470	C CUID SOV 0 0110	
C5506 C5507	ECJ2VF1H103Z ECEA1CKA100	C CHIP 50V 0.01UF ELECTROLYTIC 16V 10UF	
C5507	ECUV1H221JSN	C CHIP 50V 220PF	+
C5510	ECEA1HKA010	ELECTROLYTIC 50V 1UF	+
	ECJ2VB1E333K	C CHIP 25V 0.033UF	+
C5511			
C5511 C5516	ECJ2VB1E333K	C CHIP 25V 0.033UF	
C5511 C5516 C5601		C CHIP 25V 0.033UF C CHIP 50V 0.01UF	
C5516	ECJ2VB1E333K		
C5516 C5601	ECJ2VB1E333K ECJ2VF1H103Z	C CHIP 50V 0.01UF	

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Ref.	Part No.	Part Name & Description	Remarks
C5605	ECJ2VB1E153K	C CHIP 25V 0.015UF	
C5902	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C5903	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C5904	ECJ2VB1C104K	C CHIP 16V 0.1UF	
C5905	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C5906 C5907	ECJ2VF1H103Z ECJ2VF1E104Z	C CHIP 50V 0.01UF	
C5932	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C6001	ECEA0JKA331	ELECTROLYTIC 6.3V 330UF	
C6002	ECJ2VC1H080C	C CHIP 50V 8PF	
C6003	ECJ2VC1H100C	C CHIP 50V 10PF	1
C6004	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C6006	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6009	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C6013	ECJ2VC1H101J	C CHIP 50V 100PF	
C6017	ECJ2VC1H101J	C CHIP 50V 100PF	
C6018	ECJ2VC1H101J	C CHIP 50V 100PF	
C6020	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6021	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6023	ECJ2VB1H103K ECHA0JKA470	C CHIP 50V 0.01UF ELECTROLYTIC 6.3V 47UF	
C6029	BCJ2VF1H104Z	C CHIP 50V 0.1UF	
C6040	ECJ2VB1H102K	C CHIP 50V 1000PF	<u> </u>
C6041	ECJ2VB1H102K	C CHIP 50V 1000PF	1
C6044	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C6201	ECJ2VB1H102K	C CHIP 50V 1000PF	
C6202	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C6203	ECJ2VB1H332K	C CHIP 50V 3300PF	
C6204	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C6207	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6208	ECEA1CKS100	ELECTROLYTIC 16V 10UF	-
C6209	ECJ2VB1H102K	C CHIP 50V 1000PF	
C6212	BCJ2VF1H104Z	C CHIP 50V 0.1UF	
C6213 C6214	ECEA0JKS331I ECEA0JKS220	ELECTROLYTIC 6.3V 330UF ELECTROLYTIC 6.3V 22UF	
C6215	ECJ2VB1H272K	C CHIP 50V 2700PF	
C6216	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C6220	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C6221	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6302	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6401	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6402	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6403	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C6404		C CHIP 50V 120PF	
C6406	ECEA1HKS010	ELECTROLYTIC 50V 1UF	-
C6408	ECJ2VB1H222K	C CHIP 50V 2200PF	S
C6410 C7002	ECJ2VB1H103K ECJ2VB1H102K	C CHIP 50V 0.01UF	
C700£	ECAOJM102B	ELECTROLYTIC 6.3V 1000UF	
C7007	ECJ2VB1H102K	C CHIP 50V 1000PF	1
C7008	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C7010	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C9001	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C9002	ECEA1HKAR33	ELECTROLYTIC 50V 0.33UF	
C9003		ELECTROLYTIC 50V 3.3UF	
C9004	ECJ2VB1C104K	C CHIP 16V 0.1UF	-
C9005	ECJ2VB1E223K	C CHIP 25V 0.022UF	-
C9006	ECJ2VB1E104K	C CHIP 25V 0.1UF	1
C9007	ECJ2VB1H333K ECEA1HKA2R2	C CHIP 50V 0.033UF ELECTROLYTIC 50V 2.2UF	
C9009	ECEA1HKAR33	ELECTROLYTIC 50V 0.33UF	†
C9010	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C9013	ECJ2VB1H102K	C CHIP 50V 1000PF	
C9014	ECEA1HKA4R7	ELECTROLYTIC 50V 4.7UF	
C9015	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C9016	BCJ2VF1H103Z	C CHIP 50V 0.01UF	
C9017	ECEA1CKA220	ELECTROLYTIC 16V 22UF	
C9019	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C9020	ECEA1CKA100	ELECTROLYTIC 16V 10UF	-
C9021	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C9022	ECJ2VF1H103Z	C CHIP 50V 0.01UF ELECTROLYTIC 16V 10UF	
C9023 C9201	ECEA1CKA100 ECJ2VF1H103Z	C CHIP 50V 0.01UF	-

Ref. No.	Part No.	Part Name & Description	Remarks
C9202	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C9203	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C9204	ECQP1H102JZ3	POLYESTER 50V 1000PF	
C9205	ECRA1HKA010	ELECTROLYTIC 50V 1UF	
C9206	ECEA1HKA3R3I	ELECTROLYTIC 50V 3.3UF	
C9207	ECRA1HKA010	ELECTROLYTIC 50V 1UF	
C9208	ECJ2VB1H223K	C CHIP 50V 0.022UF	
C9209	ECJ2VB1H223K	C CHIP 50V 0.022UF	
C9210	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C9211	ECRA1HKA010	ELECTROLYTIC 50V 1UF	
C9212	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C9213	ECRA1CKA220	ELECTROLYTIC 16V 22UF	
C9302	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C9304	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C9309	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	

COILS Ref. Part No. Part Name & Description Remarks L501 G0D680000001 COIL Δ **ELH5L4108** COIL Δ L501 L501 **ELH5L4145** COIL Δ L501 ELH5L423 COIL Δ L501 G0D510000001 ⚠ COIL L553 VLQSW07D220M COIL 22UH L803 ELF21V018A LINE NOISE FILTER Δ F803 LLN63055A COIL Δ LINE FILTER 0.5A 18MH L1001 ELF15N005A Δ L1001 ELF18D290A LINE FILTER 0.5A 18MH ⚠ L1001 G0B183D00001 LINE FILTER 0.5A 18MH ⚠ J0HBLD000001 Δ L1001 LINE FILTER 0.5A 18MH L1001 J0HBLD000002 LINE FILTER 0.5A 18MH ⚠ Δ L1001 VLQS0167 LINE FILTER 0.5A 18MH L1001 VLQS0170 LINE FILTER 0.6A 18MH Δ COIL 22UH L1002 VLQSAB7D220K L1003 VLQSAB7D100K COIL 10UH L1006 J0JHB0000021 FILTER COIL 100UH G0C101KA0045 L1007 L3001 G0C390KA0045 COIL 39UH L3002 elesn101ka COIL 100UH L3005 G0C330KA0045 COIL 33UH ELESN470KA L3010 COIL 47UH L3231 ELESN221KA COIL 220UH L3301 ELESN101KA COIL 100UH L4001 ELELN153KA COIL 15MH L4002 ELESN101KA COIL 100UH L4004 G0C220KA0045 COIL 22UH L4101 ELESN471KA COIL 470UH L5901 ELESN101KA COIL 100UH L5902 ELESN470KA COIL 47UH L6201 ELEXT101KE04 COIL 100UH ELEXT101KE04 COIL 100UH L6401 CHIP BEAD INDUCTOR L6402 J0JBC0000022 L6403 J0JBC0000022 CHIP BEAD INDUCTOR L6404 J0JBC0000022 CHIP BEAD INDUCTOR L6405 J0JBC0000022 CHIP BEAD INDUCTOR L7002 ELESN100KA COIL 10UH L9001 ELESN101KA COIL 100UH L9201 ELESN101KA COIL 100UH ELESN101KA COIL 100UH L9202

COIL 100UH

ELESN101KA

L9301

	PIN HEADERS				
Ref.	Part No.	Part Name & Description	Remarks		
P552	LSJWS4N360LL	PIN HEADER			
P801	VEKS5809	COMNECTOR CABLE W/OUT PLUG, 200V			

Ref.	Part No.	Part Name & Description	Remarks
P803	LSJP0814	CONNECTOR 2P	
P3001	K1KA12A00232	CONNECTOR 12P	
P4001	VJSS0888	FE CONNECTOR 2P	
P4002	LSJWR6N120CL	PARALLEL WIRE	
P4591	K1KA04A00242	CONNECTOR 4P	
P5301	LSJWR4N490LL	CONNECTOR CABLE W/OUT PLUG,12V DC	
P6001	K1KA05A00268	CONNECTOR 5P	
P6201	K1KA12A00234	PIN HEADER	

SWITCHES

Ref. No.	Part No.	Part Name & Description	Remarks
SW6001	LSSH0002	LEAF SWITCH-SAFETY TAB	
SW6002	K0N107C00002	PUSH SWITCH	
SW6301	EVQ21405R	PUSH SWITCH	
SW6302	EVQ21405R	PUSH SWITCH	
SW6303	EVQ21405R	PUSH SWITCH	
SW6304	EVQ21405R	PUSH SWITCH	
SW6305	EVQ21405R	PUSH SWITCH	
SW6306	EVQ21405R	PUSH SWITCH	
SW6307	EVQ21405R	PUSH SWITCH	
SW6308	EVQ21405R	PUSH SWITCH	
SW6309	EVQ21405R	PUSH SWITCH	
SW6310	EVQ21405R	PUSH SWITCH	
SW6311	EVQ21405R	PUSH SWITCH	

FUSE & PROTECTO

Ref. No.	Part No.	Part Name & Description	Remarks
F801	K5D402AB0002	FUSE 125V 4A	Δ
F801	K5D402ADA002	FUSE 125V 4A	Δ
F801	K5D402ADA006	FUSE 125V 4A	Δ
F801	K5D402AQ0002	FUSE 125V 4A	Δ
F1001	K5D162AQ0004	FUSE 125V 1.6A	Δ
F1001	K5D162ADA001	FUSE 125V 1.6A	Δ
F1001	K5D162ADA008	FUSE 125V 1.6A	Δ
PR1001	UNH000600A	IC PROTECTOR 1.5A	Δ
PR1001	B1ZAZ0000040	IC PROTECTOR 1.5A	Δ
PR1001	LSSF009A25E	IC PROTECTOR 1.5A	Δ
PR1002	UNH000600A	IC PROTECTOR 1.5A	Δ
PR1002	B1ZAZ0000040	IC PROTECTOR 1.5A	Δ
PR1002	LSSF009A25E	IC PROTECTOR 1.5A	Λ
PR1070	LSSF009AR37E	IC PROTECTOR 1.5A	Λ

RELAY

Ref.	Part No.	Part Name & Description	Remarks
RL801	LSSY0004	RELAY	\triangle
RL801	K6B1AGA00042	RELAY, 120V	Δ
RL801	TSEH0013	RELAY	Λ
RL801	TSEH1860-1	RELAY	⚠

TRANSFORMER

TRANSFORMER			
Ref.	Part No.	Part Name & Description	Remarks
T501	ETH09K8AZ	TRANSFORMER	
T551	KFT3AB400F	FLYBACK TRANSFORMER	\triangle
T1001	ETS28AD2J3AC	SW TRANSFORMER	Δ
T1001	LSTP0105	TRANSFORMER	Δ
T1001	VTPS0042	SW TRANSFORMER	A
T4101	G2A342C00003	TRANSFORMER	

JACKS

Ref. No.	Part No.	Part Name & Description	Remarks
JK4591	K2HC103B0129	FRONT AUDIO/VIDEO JACK SOCKET	
JK4701	K2HA104B0007	EARPHONE JACK SOCKET	

MISCELLANEOUS

Ref.	Part No.	Part Name & Description	Remarks
483	XYN3+F10S	SCREW W/WASHER, STEEL	
484	XTW3+10J	TAPPING SCREW, STEEL	
711	PNA4611M00HC	INFRARED RECEIVER UNIT	
719	VMFS0136	SHEET, NYLON-RAYON	

Ref.	Part No.	Part Name & Description	Remarks
728	LUS63008A	HEAT SINK	
743	ENG36715G	TUNER, UHF/VHF NR	
751	LML69001A	ANODE LEAD CLAMPER	1
760	TUC77628	HEAT SINK	
768	TUC77603-1	HEAT SINK	
771	EYF52BC	FUSE HOLDER	

12.3.3. HEAD AMP C.B.A.

(Model: A, B, C, D, G, H, I)

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
PV-C1323	Α
PV-C1323-K	В
PV-C1333W	С
PV-C1333W-K	D
PV-C1343	Е
PV-C1353W	F
PV-C2023	G
PV-C2023-K	Н
PV-C2033W	1
PV-C2063	J
	K

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC3501	AN3371SB	IC, LINEAR	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R3507	ERJ6GEYJ331V	MGF CHIP 1/10W 330	

CAPACITORS

	0,11,101,0110			
Ref. No.	Part No.	Part Name & Description	Remarks	
C3504	ECJ2VF1H103Z	C CHIP 50V 0.01UF		
C3505	ECEA1CKA470	ELECTROLYTIC 16V 47UF		
C3506	ECJ2VF1E104Z	C CHIP 25V 0.1UF		
C3508	ECJ2VF1E104Z	C CHIP 25V 0.1UF		
C3511	ECJ2VF1E104Z	C CHIP 25V 0.1UF		
C3512	ECJ2VF1E104Z	C CHIP 25V 0.1UF		
C3513	ECJ2VF1E104Z	C CHIP 25V 0.1UF		
C3528	ECJ2VF1E104Z	C CHIP 25V 0.1UF		
C3529	ECJ2VF1H103Z	C CHIP 50V 0.01UF		

COILS

Ref.	Part No.	Part Name & Description	Remarks
L3501	G0C101KA0045	COIL 100UH	

PIN HEADERS

Ref.	Part No.	Part Name & Description	Remarks
P3501	K1KB08B00050	CONNECTOR 8P	

12.3.4. HEAD AMP C.B.A.

(Model: E, F, J)

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
PV-C1323	Α
PV-C1323-K	В
PV-C1333W	С
PV-C1333W-K	D
PV-C1343	Е
PV-C1353W	F
PV-C2023	G
PV-C2023-K	Н
PV-C2033W	1
PV-C2063	J
	K

INTEGRATED CIRCUITS

Ref. No.	Part No.	Part Name & Description	Remarks
IC3501	AN3361SB	IC, LINEAR	

RESISTORS

Ref.	Part No.	Part Name & Description	Remarks
R3501	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R3502	ERJ6GEYJ560V	MGF CHIP 1/10W 56	
R3503	ERJ6GEYJ560V	MGF CHIP 1/10W 56	
R3504	ERJ6GEYJ560V	MGF CHIP 1/10W 56	
R3505	ERJ6GEYJ560V	MGF CHIP 1/10W 56	
R3506	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R3507	ERJ6GEYJ561V	MGF CHIP 1/10W 560	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C3504	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3505	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C3506	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3507	ECJ2VB1H102K	C CHIP 50V 1000PF	
C3508	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3511	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3512	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3513	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3519	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3520	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3523	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3524	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3528	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3529	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3532	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3533	ECJ2VF1H103Z	C CHIP 50V 0.01UF	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L3501	G0C101KA0045	COIL 100UH	

PIN HEADERS

Ref.	Part No.	Part Name & Description	Remarks
P3501	K1KB12B00044	CONNECTOR 12P	

12.3.5. CRT C.B.A.

(Model: A, B, C, D, E, F)

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
PV-C1323	Α
PV-C1323-K	В
PV-C1333W	С
PV-C1333W-K	D
PV-C1343	Е
PV-C1353W	F
PV-C2023	G
PV-C2023-K	н
PV-C2033W	- 1
PV-C2063	J
	K

TRANSISTORS

Ref.	Part No.	Part Name & Description	Remarks
Q351	2SC14730Q	TRANSISTOR SI NPN	
Q351	B1AACN000014	TRANSISTOR SI NPN	
Q351	B1BAAN000029	TRANSISTOR SI NPN	
Q351	2SC1473A-Q	TRANSISTOR SI NPN	
Q352	2SC14730Q	TRANSISTOR SI NPN	
Q352	B1AACN000014	TRANSISTOR SI NPN	
Q352	B1BAAN000029	TRANSISTOR SI NPN	
Q352	2SC1473A-Q	TRANSISTOR SI NPN	
Q353	2SC14730Q	TRANSISTOR SI NPN	
Q353	B1AACN000014	TRANSISTOR SI NPN	
Q353	B1BAAN000029	TRANSISTOR SI NPN	
Q353	2SC1473A-Q	TRANSISTOR SI NPN	

DIODES

Ref.	Part No.	Part Name & Description	Remarks
D351	MAZ41500MF	DIODE ZENER 15V	
D351	B0BA01400041	DIODE ZENER 15V	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R351	ERG1ANJ153H	METAL OXIDE 1W 15K	
R352	ERG1ANJ153H	METAL OXIDE 1W 15K	
R353	ERG1ANJ153H	METAL OXIDE 1W 15K	
R354	ERD25TJ272	CARBON 1/4W 2.7K	
R356	ERD25TJ272	CARBON 1/4W 2.7K	
R357	ERDS2TJ392	CARBON 1/4W 3.9K	
R358	ERDS2TJ392	CARBON 1/4W 3.9K	
R359	ERDS2TJ392	CARBON 1/4W 3.9K	
R360	ERDS2TJ391	CARBON 1/4W 390	
R361	ERDS2TJ391	CARBON 1/4W 390	
R362	ERDS2TJ391	CARBON 1/4W 390	
R363	ERDS2TJ181T	CARBON 1/4W 180	
R364	ERDS2TJ181T	CARBON 1/4W 180	
R365	ERDS2TJ181T	CARBON 1/4W 180	
R366	ERD25TJ272	CARBON 1/4W 2.7K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C351	F1D1H391A012	CERAMIC 50V 390PF	
C352	F1D1H391A012	CERAMIC 50V 390PF	
C353	F1D1H471A012	CERAMIC 50V 470PF	
C354	F1B3D1020008	CERAMIC 2KV 1000PF	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P355	K3B09BA00006	CRT SOCKET	

Ref. No.	Part No.	Part Name & Description	Remarks
		MISCELLANEOUS	

12.3.6. CRT C.B.A.

(Model: G, H, I, J)

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
PV-C1323	Α
PV-C1323-K	В
PV-C1333W	С
PV-C1333W-K	D
PV-C1343	E
PV-C1353W	F
PV-C2023	G
PV-C2023-K	Н
PV-C2033W	I
PV-C2063	J
	K

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q351	2SC3063	TRANSISTOR SI NPN	
Q351	2SC3271F-N	TRANSISTOR SI NPN	
Q351	2SC3619	TRANSISTOR SI NPN	
Q352	2SC3063	TRANSISTOR SI NPN	
Q352	2SC3271F-N	TRANSISTOR SI NPN	
Q352	2SC3619	TRANSISTOR SI NPN	
Q353	2SC3063	TRANSISTOR SI NPN	
Q353	2SC3271F-N	TRANSISTOR SI NPN	
Q353	2SC3619	TRANSISTOR SI NPN	

DIODES

Ref. No.	Part No.	Part Name & Description	Remarks
D351	MAZ41500MF	DIODE ZENER 15V	
D351	B0BA01400041	DIODE ZENER 15V	

RESISTORS

RESISTORS			
Ref.	Part No.	Part Name & Description	Remarks
R351	ERG2ANJ153H	METAL OXIDE 2W 15K	
R352	ERG2ANJ153H	METAL OXIDE 2W 15K	
R353	ERG2ANJ153H	METAL OXIDE 2W 15K	
R354	ERD25TJ272	CARBON 1/4W 2.7K	
R355	ERD25TJ272	CARBON 1/4W 2.7K	
R356	ERD25TJ272	CARBON 1/4W 2.7K	
R357	ERDS2TJ392	CARBON 1/4W 3.9K	
R358	ERDS2TJ392	CARBON 1/4W 3.9K	
R359	ERDS2TJ392	CARBON 1/4W 3.9K	
R360	ERDS2TJ391	CARBON 1/4W 390	
R361	ERDS2TJ391	CARBON 1/4W 390	
R362	ERDS2TJ391	CARBON 1/4W 390	
R363	ERDS2TJ121	CARBON 1/4W 120	
R364	ERDS2TJ121	CARBON 1/4W 120	
R365	ERDS2TJ121	CARBON 1/4W 120	1

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C351	F1D1H471A012	CERAMIC 50V 470PF	
C352	F1D1H471A012	CERAMIC 50V 470PF	
C353	F1D1H561A012	CERAMIC 50V 560PF	
C354	F1B3D1020008	CERAMIC 2KV 1000PF	

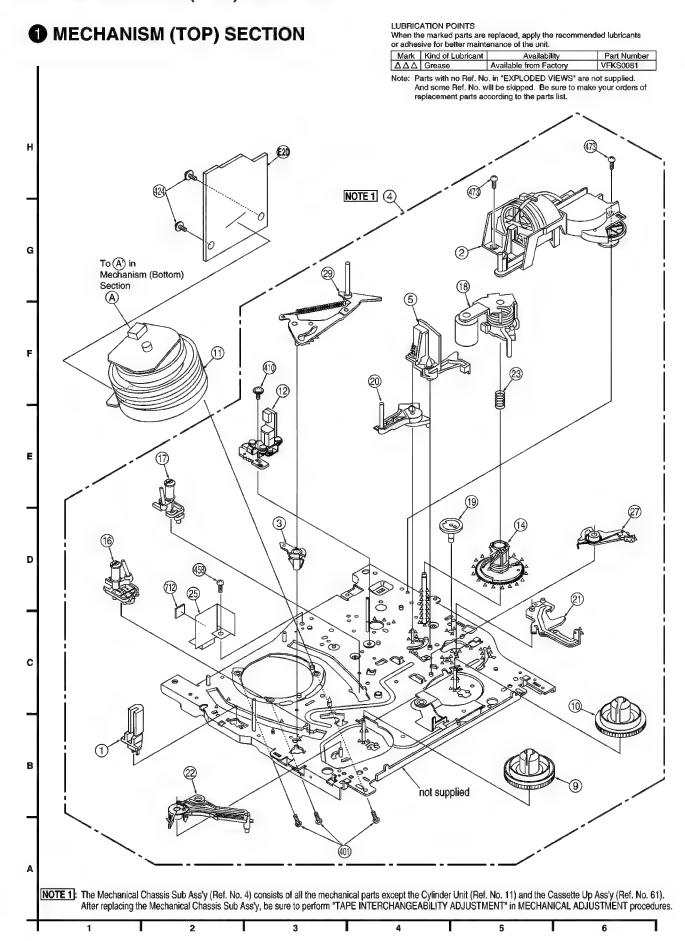
PIN HEADERS

Ref.	Part No.	Part Name & Description	Remarks
P353	K3B10AA00001	CRT SOCKET	

	_	MISCELLANEOUS	
Ref. No.	Part No.	Part Name & Description	Remarks
153	TMM7443-1	CLAMPER	

13 EXPLODED VIEWS (Model: PV-C2523-K)

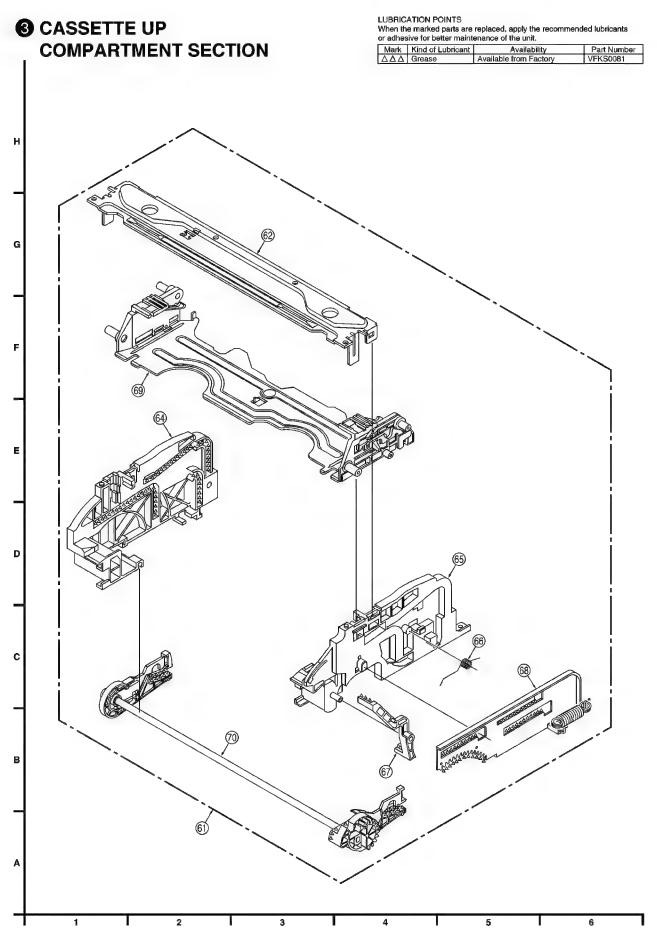
13.1. MECHANISM (TOP) SECTION



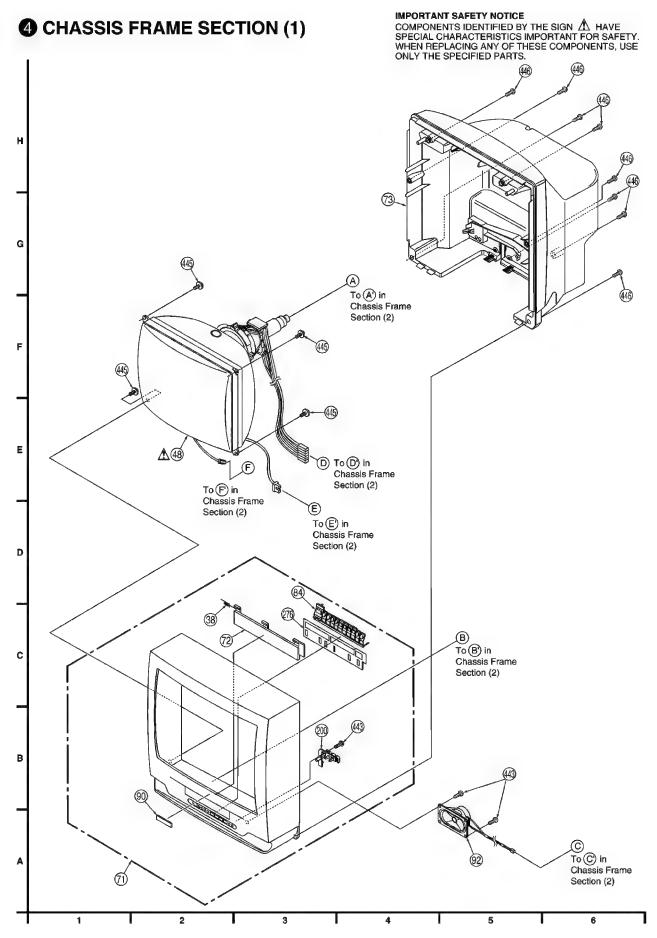
13.2. MECHANISM (BOTTOM) SECTION

LUBRICATION POINTS **2** MECHANISM (BOTTOM) SECTION When the marked parts are replaced, apply the recommended lubricants or adhesive for better maintenance of the unit. Mark Kind of Lubricant Availability Part Number Available from Factory VFKS0081 ΔΔΔ Grease NOTE 1 (4) Н From (A) in G Mechanism (Top) NOTE 4 Section **Lubrication Points** Solder **Bottom View** Lubrication Points NOTE 3 D **Bottom View** not supplied C В NOTE 1: The Mechanical Chassis Sub Ass'y (Ref. No. 4) consists of all the mechanical parts except the Cylinder Unit (Ref. No. 11) and the Cassette Up Ass'y (Ref. No. 61). After replacing the Mechanical Chassis Sub Ass'y, be sure to perform "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT procedures. NOTE 3: Main Cam Gear is supplied as a Main Cam Gear Kit only. Main Cam Gear Kit consists of a Main Cam Gear and a Main Cam Push Nut. However, Main Cam Push Nut is available separately as a replacement part. NOTE 4: The Capstan Motor Ass'y (Ref. No. 46) is supplied as a unit only. However, the Flat Flexible Cable (Ref. No. 45) is available separately as a replacement part.

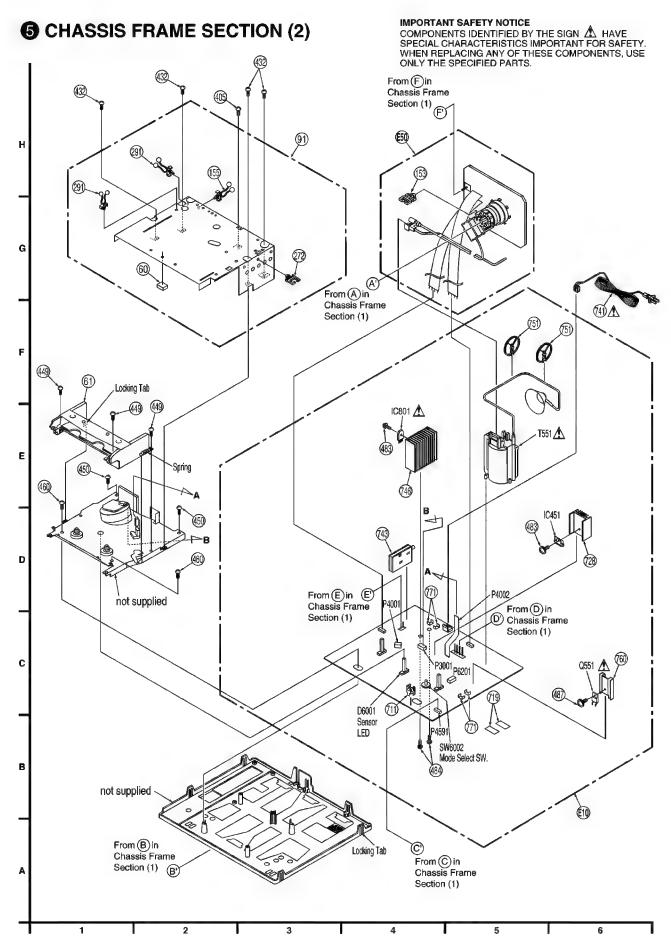
13.3. CASSETTE UP COMPARTMENT SECTION



13.4. CHASSIS FRAME SECTION (1)

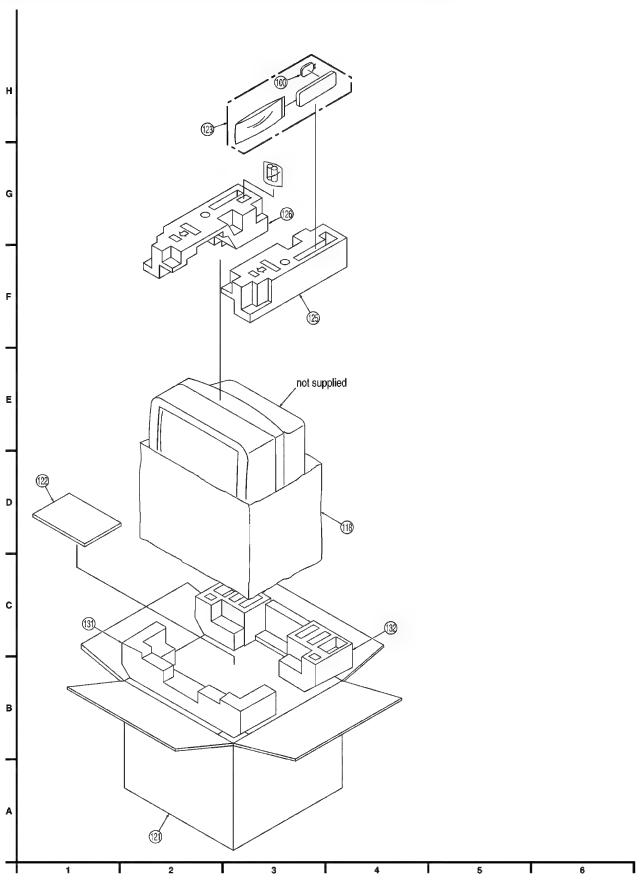


13.5. CHASSIS FRAME SECTION (2)



13.6. PACKING PARTS AND ACCESSORIES SECTION

6 PACKING PARTS AND ACCESSORIES SECTION



14 REPLACEMENT PARTS LISTS (Model: PV-C2523-K)

BEFORE REPLACING PARTS, READ THE FOLLOWING:

14.1. REPLACEMENT NOTES

14.1.1. General Notes

1. Use only original replacement parts:

To maintain original function and reliability of repaired units, use only original replacement parts which are listed with their part numbers in the parts list.

2. IMPORTANT SAFETY NOTICE

Components identified by the sign \triangle have special characteristics important for safety. When replacing any of these components, use only the specified parts.

3. SPECIAL NOTE

All integrated circuits and many other semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "ELECTROSTATICALLY SENSITIVE (ES) DEVICES" section of this service manual.

- 4. Parts with no Ref. No. in "EXPLODED VIEWS" are not supplied. And some Ref. No. will be skipped. Be sure to make your orders of replacement parts according to the parts list.
- Parts different in shape or size may be used. However, only interchangeable parts will be supplied as service replacement parts.
- 6. Definition of Parts supplier:
 - a. Parts with mark "MKE" in the Remarks column are supplied from MKE.
 - b. Parts without mark in the Remarks column are supplied from MKA.
- Item numbers with capital letter E (Example: E10, E20,...) in the Ref. No. column are shown in the exploded views.
- Parts whose Ref. Nos. are the same are interchangeable as replacement parts. Any of these parts may be ordered and used as a replacement part.

14.1.2. Mechanical Replacement Notes

- Section No. of parts shown in Exploded Views are indicated in the Remarks column.
- 2. The Mechanical Chassis Sub Ass'y (Ref. No. 4) consists of all the mechanical parts except the Cylinder Unit (Ref. No. 11) and the Cassette Up Ass'y (Ref. No. 61).

After replacing the Mechanical Chassis Sub Ass´y, be sure to perform "TAPE INTERCHANGEABILITY ADJUSTMENT" in MECHANICAL ADJUSTMENT procedures.

3. In early units, a washer is used.

When servicing the washer or the P5 Arm Unit, replace only the P5 Arm Unit with a new one, and remove the washer.

- 4. Main Cam Gear is supplied as a Main Cam Gear Kit (Ref. No. 8) only. Main Cam Gear Kit consists of a Main Cam Gear and a Main Cam Push Nut. However, Main Cam Push Nut is available separately as a replacement part.
- 5. The Capstan Motor Ass'y (Ref. No. 46) is supplied as a unit only. However, the Flat Flexible Cable (Ref. No. 45) is

available separately as a replacement part.

- 6. The Infrared Remote Control Unit (Ref. No. 123) replacement part is available as a complete assembly unit only. Do not try to disassemble the Infrared Remote Control Unit. However, the battery cover is available separately as a replacement part.
- Main Cam Push Nut (Ref. No. 414) is not reusable.If removed, install a new one.

14.1.3. Electrical Replacement Notes

1. Unless otherwise specified;

All resistors are in Ω , K = 1,000 Ω , M = 1,000 k Ω .

2. Abbreviation

RTL: Retention Time Limited

This indicates that the retention time is

limited for this item. After the discontinuation of this item in production, it will no longer be

available.

NR: Non Repairable Board Ass'y

MGF CHIP: Metal Glaze Film Chip

C CHIP: Ceramic Chip

COMPLX CMP: Complex Component
W FLMPRF: Wirewound Flameproof
C.B.A.: Circuit Board Assembly
P.C.B.: Printed Circuit Board

E.S.D.: Electrostatically Sensitive Devices

- 3. When replacing 0 Ω resistor, a wire can be substituted for it.
- 4. Since the UHF/VHF TUNER/TV DEMODULATOR UNIT (Ref. No. 743) has already been pre-adjusted at the factory, do not try to adjust the UHF/VHF TUNER/TV DEMODULATOR UNIT. The UHF/VHF TUNER/TV DEMODULATOR UNIT replacement part is available as a complete assembly unit only.
- 5. EEP ROM IC (IC6004) replacement note:

There are 2 types of EEPROM IC (IC6004) used on the Main C.B.A. (DIP TYPE and SOP TYPE). However, these are same reliability, please refer to "TV/VCR MAIN C.B.A." in CIRCUIT BOARD LAYOUT.

6. TV/VCR MAIN C.B.A. replacement note:

When the TV/VCR MAIN C.B.A.s shown below are replaced, the Jumper wire(J801 or J810) of the new TV/VCR MAIN C.B.A. must be cut before use. If the Jumper wire isn't cut, the power does not turned on to the TV circuit.

As for the location of the Jumper wire, please refer to "TV/VCR MAIN C.B.A." in CIRCUIT BOARD LAYOUT.

COMPARISON CHART OF MODELS & MARKS

MODEL	MARK
	Α
	В
	С
	D
	E
************	F
	G
	н
***************************************	- 1
	J
PV-C2523-K	K

14.2. MECHANICAL REPLACEMENT PARTS LIST

Definition of Parts supplier:

- 1. Parts with mark "MKE" in the Remarks column are supplied from MKE.
- 2. Parts without mark in the Remarks column are supplied from MKA.

Ref.	Part No.	Part Name & Description	Remarks
1	VBSS0033	FULL ERASE HEAD	1
2	LSXK0109	MOTOR BLOCK UNIT	1
3	LSDB0045	TENSION ARM BOSS	1
4	LSXY0463	MECHANICAL CHASSIS SUB ASS'Y	1,2 RTL
5	LSMD0209	OPENER PIECE	1
8	LSVD0007	MAIN CAM GEAR KIT	2
9	LSDR0004	S REEL TABLE	1
10	LSDR0005	T REEL TABLE	1
11	LSEG0013	CYLINDER UNIT	1
12	LSEH0006	AUDIO CONTROL/ERASE HEAD UNIT	1
14	LSDG0112	LIFT GEAR	1
16	VXDS0213	LOADING POST BASE-S UNIT	1
17	VXDS0214	LOADING POST BASE-T UNIT	1
18	LSXL0079	PINCH ARM UNIT	1
19	LSDG0110	INTERMEDIATE GEAR A	1
20	LSXL0078	P5 ARM UNIT	1
21	LSML0360	DRIVE RACK ARM	1
22	LSXL0077	TENSION CONTROL ARM UNIT	1
23	LSMB0282	PINCH ASSIST SPRING	1
25	LSSC0518	A/C SHIELD PLATE	1
27	VXLS1130	T BRAKE UNIT	1
29	VXLS1129	TENSION ARM UNIT	1
38	LSMB0221	CASSETTE DOOR SPRING	4
41	VXPS0389	CENTER CLUTCH UNIT	2
42	VMBS1151	CHANGING GEAR SPRING	2
43	LSDG0114	CHANGING GEAR	2
44	VXLS1091	IDLER ARM UNIT	2
45	LSJW0027	FLAT FLEXIBLE CABLE W/OUT PLUG,12V DC	2
46	LSEM0078	CAPSTAN MOTOR ASS'Y	2
47	LSMM0007	MAIN ROD	2
48	LXQVB01250	COLOR PICTURE TUBE UNIT	4 \Lambda
49	VXLS1099	S LOADING ARM UNIT	2
50	VXLS1098	T LOADING ARM UNIT	2
51	LSDG0116	REEL GEAR	2
52	LSDG0111	INTERMEDIATE GEAR B	2 _

Ref. No.	Part No.	Part Name & Description	Remark
53	LSMA0532	SUPPORT ANGLE	2
54	LSDV0009	CAPSTAN BELT SQUARE, ELASTOMER	2
58	LSXL0087	SS BRAKE ARM UNIT	2
59	LSMB0196	SS BRAKE SPRING	2
60	VMFS0311	CUSHION	5
61	LSXY0483	CASSETTE UP ASS'Y	3,5
62	LSMA0352	TOP PLATE	3
64	LSMD0174	SIDE PLATE L	3
65	LSMD0173	SIDE PLATE R	3
66	LSMB0218	SUPPORT SPRING	3
67	LSML0096	OPENER LEVER	3
68	VXLS1111	DRIVE RACK UNIT	3
69	LSXA0497	HOLDER UNIT	3
70	VXLS1110	WIPER ARM UNIT	3
71	LXQKY03252	FRONT CABINET ASS Y	4
72	LSKF0453	CASSETTE DOOR-LID	4
73	LXQKV01252	REAR COVER UNIT	4
84	LBX61070B	OPERATION BUTTON	4
90	TBM173052	BADGE, ABS RESIN	4
91	LXQUS01252K	TOP SHIELD PLATE ASS'Y	5
92	LXQAS01J13	SPEAKER UNIT	4
100	VKFS2235	BATTERY COVER	6
118	LPE64005A		6
121		BAG, POLYETHYLENE	6
	LSPG1447	PACKING CASE, PAPER	-
122	LSQF0717	FAN BAG	6
123	LSSQ0392	INFRARED REMOTE CONTROL UNIT	6
125	LPJ61034A	TOP CUSHION RIGHT, STYROFOAM	6
126	LPJ61033A	TOP CUSHION LEFT, STYROFOAM	6
131	LPJ62033A	BOTTOM CUSHION FRONT, STYROFOAM	6
132	LPJ62034A	BOTTOM CUSHION REAR, STYROFOAM	6
153	TMM7443-1	CLAMPER	5
155	TMM76403-1	CLAMPER	5
200	LKK683009A	PANEL LIGHT	4
272	TMM77412	CLAMPER	5
276	LSMF0046	SHEET	4
291	LML69002A	CLAMPER	5
401	VHDS0475	SCREW, STEEL	1
405	VHDS0496	SCREW W/WASHER, STEEL	5
410	VHDS0498	SCREW W/WASHER, STEEL	1
414	VHNS0070	MAIN CAM PUSH NUT, STEEL	2
422	XWGV2D5G	WASHER, NYLON	2
424	XYC26+SF6J	SCREW W/WASHER, STEEL	1
432	XTV3+8JR	TAPPING SCREW, STEEL	5
443	XTV4+12A	TAPPING SCREW, STEEL	4
445	LHT60001Y	SCREW W/WASHER, STEEL	4
446	XTV4+16A	TAPPING SCREW, STEEL	4
449	VHDS0493	TAPPING SCREW, STEEL	5
450	VHDS0309	SCREW, STEEL	5
458	XTV3+8J	TAPPING SCREW, STEEL	1
460	XTN4+12A	TAPPING SCREW, STEEL	5
473	XYN26+C6	SCREW W/WASHER, STEEL	1
475	XTV26+5FJ	TAPPING SCREW, STEEL	2
478	VHDS0495	SCREW, STEEL	2
483		SCREW, STEEL SCREW W/WASHER, STEEL	5
484	XYN3+F10S XTW3+10J	TAPPING SCREW, STEEL	5
487 508	XYN3+J8	SCREW W/WASHER, STEEL	2
508 7 11	XTB26+6J	TAPPING SCREW, STEEL	5
712	PNA4611M00HC	INFRARED RECEIVER UNIT	1
	VMTS0035	CUSHION, RUBBER	
	VMFS0136	SHEET, NYLON-RAYON HEAT SINK	5
719	TITICEPONON		J
719 728	LUS63008A		E A
719 728 741	LSJA0362	AC CORD W/PLUG, 120V	5 <u>A</u>
719 728 741 741	LSJA0362 LSJA0343	AC CORD W/PLUG,120V AC CORD W/PLUG,120V	5 🛕
719 728 741 741 741	LSJA0362 LSJA0343 LSJA0364	AC CORD W/PLUG,120V AC CORD W/PLUG,120V AC CORD W/PLUG,120V	5 <u>A</u>
719 728 741 741 741 743	LSJA0362 LSJA0343 LSJA0364 ENG36709GL	AC CORD W/PLUG,120V AC CORD W/PLUG,120V AC CORD W/PLUG,120V TUNER,UHF/VHF NR	5 <u>A</u> 5 <u>A</u> 5
719 728 741 741 741 743	LSJA0362 LSJA0343 LSJA0364 ENG36709GL LUS63001A	AC CORD W/PLUG,120V AC CORD W/PLUG,120V AC CORD W/PLUG,120V TUNER,UHF/VHF NR HEAT SINK	5 <u>A</u> 5 <u>5</u> 5
719 728 741 741 741 743 746	LSJA0362 LSJA0343 LSJA0364 ENG36709GL LUS63001A LML69001A	AC CORD W/PLUG,120V AC CORD W/PLUG,120V AC CORD W/PLUG,120V TUNER,UHF/VHF NR HEAT SINK ANODE LEAD CLAMPER	5 A 5 A 5 5 5
719 728 741 741 741 743 746 751	LSJA0362 LSJA0343 LSJA0364 ENG36709GL LUS63001A LML69001A TUC77628	AC CORD W/PLUG, 120V AC CORD W/PLUG, 120V AC CORD W/PLUG, 120V TUNER, UHF/VHF NR HEAT SINK ANODE LEAD CLAMPER HEAT SINK	5 A 5 A 5 5 5 5
719 728 741 741 741 743 746	LSJA0362 LSJA0343 LSJA0364 ENG36709GL LUS63001A LML69001A	AC CORD W/PLUG,120V AC CORD W/PLUG,120V AC CORD W/PLUG,120V TUNER,UHF/VHF NR HEAT SINK ANODE LEAD CLAMPER	5 <u>A</u> 5 <u>5</u> 5

Ref.	Part No.	Part Name & Description	Remarks
E50	LRP63022E	CRT C.B.A.	5 RTL

SERVICE FIXTURES AND TOOLS

Ref. No.	Part No.	Part Name & Description	Remarks
	VFMS0003H6	VHS ALIGNMENT TAPE	MKE
	VFKS0081	GREASE	MKE
	VFK0329	POST ADJUSTMENT DRIVER	MKE
	VFK27	HEAD CLEANING STICK	MKE
	VFK0330	H-POSITION ADJUSTMENT DRIVER	MKE

14.3. ELECTRICAL REPLACEMENT PARTS LIST

Definition of Parts supplier:

1. All parts are supplied from MKA.

Ref. No.	Part No.	Part Name & Description	Remarks
E10	LSEP2083D	TV/VCR MAIN C.B.A.	E.S.D. RTL
E20	LSEP2008A	HEAD AMP C.B.A.	RTL
E 50	LRP63022E	CRT C.B.A.	RTL

14.3.1. TV/VCR MAIN C.B.A.

INTEGRATED CIRCUITS

Ref.	Part No.	Part Name & Description	Remarks
No.		-	
IC451	C1AA00000024	IC, LINEAR	
IC501	CNC1S101R1KT	IC, LINEAR	Δ
IC501	CNC1S101R1KT	IC, LINEAR	\triangle
IC501	CNC1S101S1KT	IC, LINEAR	\triangle
IC502	CNC1S101R2KT	IC, LINEAR	Δ
IC801	C5HABZZ00051	IC, LINEAR	Δ
IC1001	CNC1S101R1KT	IC, LINEAR	Δ
IC1001	CNC1S101S1KT	IC, LINEAR	\triangle
IC1002	CODAEMZ00005	IC, LINEAR	
IC1002	B1AZKD000001	IC, LINEAR	
IC1002	CODAEMZ00001	IC, LINEAR	
IC3001	AN3479FBP-A	IC, LINEAR	
IC3201	MIN3885S	IC, CCD 1H DELAY	E.S.D.
IC4501	Claa00000652	IC, LINEAR	
IC5301	AN15167A-VT	IC, LINEAR	
IC6001	MN101D06FCC	IC, 8BIT MICROCONTROLLER	E.S.D.
IC6002	B3NAA0000049	PHOTO INTERRUPUTER	
IC6003	B3NAA0000049	PHOTO INTERRUPUTER	
IC6004	LSSK0026	IC, 1K BEP ROM	E.S.D.
IC6005	C0EBJ0000080	IC, CMOS STANDARD LOGIC	E.S.D.
IC6005	C0EBJ0000099	IC, CMOS STADNARD LOGIC	E.S.D.
IC6005	RN5VS47CA-TR	IC, CMOS STANDARD LOGIC	E.S.D.

TRANSISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
Q431	2SA733-TQ	TRANSISTOR SI PNP	
Q431	2SA1175	TRANSISTOR SI PNP	
Q431	2SA1175-TH	TRANSISTOR SI PMP	
Q501	BlaacN000013	TRANSISTOR SI NPN	
Q531	2SA733-TQ	TRANSISTOR SI PNP	
Q531	2SA1175	TRANSISTOR SI PNP	
Q531	2SA1175-TH	TRANSISTOR SI PMP	
Q532	2SC945A-TQ	TRANSISTOR SI NPN	
Q532	2SC2785-TH	TRANSISTOR SI NPN	
Q532	2SC2785-TJ	TRANSISTOR SI NPN	
Q551	B1BAFT000004	TRANSISTOR SI NPN CHIP	Δ
Q571	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q571	B1ABCF000011	TRANSISTOR SI NPN CHIP	
Q581	B1ACBM000001	TRANSISTOR SI NPN	
Q581	2SA17670QA	TRANSISTOR SI PNP CHIP	
Q581	2SB12210QA	TRANSISTOR SI PNP CHIP	

Ref.	Part No.	Part Name & Description	Remarks
No.			-
Q801	2SC945A-TKA	TRANSISTOR SI NPN	
Q801	2SC1684-Q	TRANSISTOR SI NPN	
Q801	2SC1684-S	TRANSISTOR SI NPN	
Q801	2SC16840RA	TRANSISTOR SI NPN	
Q801	2SC2785-TE	TRANSISTOR SI NPN	
Q801	2SC2785-TF	TRANSISTOR SI NPN	
Q801	2SC2785-TH	TRANSISTOR SI NPN	
Q801	2SC2785-TJ	TRANSISTOR SI NPN	
Q801	2SC2785-TK	TRANSISTOR SI NPN	
Q801	2SC3311AQA	TRANSISTOR SI NPN	
Q801	2SC3311ARA	TRANSISTOR SI NPN	
Q801	2SC3311ASA	TRANSISTOR SI NPN	
Q801	2SC945A-TPA	TRANSISTOR SI NPN	
Q801	2SC945A-TQA	TRANSISTOR SI NPN	
Q1001	2SC4533003KT	TRANSISTOR SI NPN	Δ
Q1001	2SC4533003KT	TRANSISTOR SI NPN	Δ
Q1002	2SD225900A	TRANSISTOR SI NPN	
Q1051	B1BACC000010	TRANSISTOR SI NPN	
Q1051	2SD1581-T	TRANSISTOR SI NPN	
Q1052	2SD0601AHL	TRANSISTOR SI NPN CHIP	
Q1052	BlabcF000011	TRANSISTOR SI NPN CHIP	
Q1053	2SD235800A	TRANSISTOR SI NPN CHIP	
Q1053	B1AAQB000002	TRANSISTOR SI NPN CHIP	
Q3001	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q3001	BladCF000063	TRANSISTOR SI PNP CHIP	
Q3002	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q3002	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q3301	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q3301	B1ABCF000020	TRANSISTOR SI NPN CHIP	
Q4001	2SB1218A0L	TRANSISTOR SI PNP CHIP	
Q4001	B1ADCF000063	TRANSISTOR SI PNP CHIP	
Q4002	2SD1819AHL	TRANSISTOR SI NPN CHIP	
Q4003	2SD1819AHL	TRANSISTOR SI NPN CHIP	
Q4101	2SD0601ARL	TRANSISTOR SI NPN CHIP	\perp
Q4171	2SD0601A0L	TRANSISTOR SI NPN CHIP	1
Q4171	BlabCF000011	TRANSISTOR SI NPN CHIP	
Q5301	2SD1819A0L	TRANSISTOR SI NPN CHIP	
Q5301	BlabCF000020	TRANSISTOR SI NPN CHIP	1
Q5901	2SD225900A	TRANSISTOR SI NPN	+
Q6001	2SB0709A0L	TRANSISTOR SI PNP CHIP	
Q6001	BladCF000001	TRANSISTOR SI PNP CHIP	+
Q6002	2SD0601A0L	TRANSISTOR SI NPN CHIP	
Q6002		TRANSISTOR SI NPN CHIP	
Q6002 Q6003	2SD0601A0L	TRANSISTOR SI NPN CHIP	+
			+
Q6003	2CB1218201	TRANSISTOR SI NPN CHIP	+
Q6004	2SB1218A0L	TRANSISTOR SI PNP CHIP	+
Q6004	B1ADCF000063	TRANSISTOR SI PNP CHIP	+
Q6005	2SB0709A0L	TRANSISTOR SI PNP CHIP	+
Q6005	B1ADCF000001	TRANSISTOR SI PNP CHIP	+
Q6006	2SD1819A0L	TRANSISTOR SI NPN CHIP	+
Q6009	VEKS5707	PHOTO SENSOR UNIT	
Q6010	VEKS5707	PHOTO SENSOR UNIT	-1

DIODES

		DIODES	
Ref.	Part No.	Part Name & Description	Remarks
No.			
D401	BOEAKL000049	DIODE SI	
D401	B0EAKL000044	DIODE SI	
D401	B0EAKL000045	DIODE SI	
D502	MA2C165001VT	DIODE SI	
D502	B0AACK000004	DIODE SI	
D502	188119	DIODE SI	
D503	B0HAGP000011	DIODE SI	
D503	В0НАЈР000012	DIODE SI	
D504	MAZ40470MF	DIODE ZENER 4.7V	
D504	MAZ40470HF	DIODE ZENER 4.7V	
D504	RD4.7ESAB	DIODE ZENER 4.7V	
D504	RD4.7ESAB2	DIODE ZENER 4.7V	
D504	04AZ4.7ZTPA7	DIODE ZENER 4.7V	
D507	MA2C165001VT	DIODE SI	
D507	B0AACK000004	DIODE SI	
D507	188119	DIODE SI	
D553	B0HAGP000011	DIODE SI	
D553	B0HAJP000012	DIODE SI	

Ref. No.	Part No.	Part Name & Description	Remark
D554	BOAREL000001	DIODE SI	
D554	MA2C16700E	DIODE SI	
D558	B0HAGP000011	DIODE SI	
D558	B0HAJP000012	DIODE SI	
D560	ERB44-04V	DIODE SI	
D571	MAZ40470MF	DIODE ZENER 4.7V	
D571	B0BA4R600003	DIODE ZENER 4.7V	
D571	RD4.7ESAB2	DIODE ZENER 4.7V	
D572	MAZ4110NHF	DIODE ZENER 11V	
D573	MA2C165001VT	DIODE SI	
D573	B0AACK000004	DIODE SI	
D573	188119	DIODE SI	
D574	MA2C165001VT	DIODE SI	
D574	B0AACK000004	DIODE SI	
D574	188119	DIODE SI	
D582	B0HAPV000005	DIODE SI	
D591	LSRPAF4HM3R0	THERMISTOR	Δ
D591	D4DDF5R00005	THERMISTOR	Δ
D801	B0AAKT000010	DIODE SI	Δ
D801	B0EAKT000027	DIODE SI	▲
D801	B0EAKT000030	DIODE SI	Δ
D802	B0AAKT000010	DIODE SI	Δ
D802	B0EAKT000027	DIODE SI	Δ
D802	B0EAKT000030	DIODE SI	Δ
D803	BOAAKTOOOO10	DIODE SI	<u>A</u>
D803	BOEAKTOO0027	DIODE SI	Δ
D803	BOEAKT000030	DIODE SI	Δ
D804	BOAAKTODOO10	DIODE SI	Δ
D804	B0EAKT000027	DIODE SI	<u>A</u>
D804	BOEAKT000030	DIODE SI	Δ
D805	MA2C16700E	DIODE SI	
D805	BOAAELOOOOO1	DIODE SI	
D881	ERZV10V361CS	SURGE ABSORBER	Δ
D881	D4EAA3610001	SURGE ABSORBER	<u>A</u>
D882	ERZV10V361CS	SURGE ABSORBER	<u>A</u>
			T .
D882	D4EAA3610001	SURGE ABSORBER	\triangle
D1001	DB105G	DIODE SI	
D1001	B0EBKR000003	DIODE SI	<u> </u>
D1001	B0EBKR000020	DIODE SI	<u>A</u>
D1001	BOEBKR000024	DIODE SI	
D1002	В0НАНР000014	DIODE SI	
D1002	B0HAJP000007	DIODE SI	
D1002	B0HAMP000061	DIODE SI	
D1002	B0HAMP000069	DIODE SI	
D1003	В0НАНР000014	DIODE SI	
D1003	B0HAJP000007	DIODE SI	
D1003	B0HAMP000061	DIODE SI	
D1003	В0НАМР000069	DIODE SI	
D1005	В0НАНР000014	DIODE SI	
D1005	B0HAJP000007	DIODE SI	
D1005	B0HAMP000061	DIODE SI	
D1005	B0HAMP000069	DIODE SI	
D1006	B0HAML000015	DIODE SI	_
D1006	B0HANL000012	DIODE SI	
D1008	B0JAME000079	DIODE SI	
D1008	B0JAME000049	DIODE SI	
D1008	B0JANE000011	DIODE SI	
D1008	B0JANE000022	DIODE SI	
D1015	MA2180LA	DIODE ZENER 18V	Δ
D1015	B0BA01800025	DIODE ZENER 18V	⚠
D1015	1N4746A-T	DIODE ZENER 18V	Δ
D1015	1N4746ARL	DIODE ZENER 18V	Δ
D1016	MA2C165001VT	DIODE SI	
D1016	B0AACK000004	DIODE SI	
D1016	188119	DIODE SI	
D1051	MAZ4110NHF	DIODE ZENER 11V	
D4171	MA2C165001VT	DIODE SI	
D4171	B0AACK000004	DIODE SI	
D4171	188119	DIODE SI	
D4526	MAZ40560MF	DIODE ZENER 5.6V	
D4528	MAZ40390HF	DIODE ZENER 3.9V	
		DIODE ZENER 11V	+
D4711	MAZ41100LF		

			P
Ref.	Part No.	Part Name & Description	Remarks
D5501	MAZ40620L1KT	DIODE ZENER 6.2V	Δ
D5602	MA2C165001VT	DIODE SI	
D5602	B0AACK000004	DIODE SI	
D5602	188119	DIODE SI	
D5603	MA2C165001VT	DIODE SI	
D5603	B0AACK000004	DIODE SI	
D5603	188119	DIODE SI	
D6001	VEKS5708	SENSOR LED UNIT	
D6003	MA2C165001VT	DIODE SI	
D6003	B0AACK000004	DIODE SI	
D6003	188119	DIODE SI	
D6005	MA2C165001VT	DIODE SI	
D6005	B0AACK000004	DIODE SI	
D6005	188119	DIODE SI	
D6301	B3AAA0000538	LIGHT EMITTING DIODE RED	
D6302	B3ACA0000192	LIGHT EMITTING DIODE ORANGE	
D6303	B3ABA0000400	LIGHT EMITTING DIODE GREEN	

	T	RESISTORS	
Ref. No.	Part No.	Part Name & Description	Remarks
R401	ERDS2TJ221	CARBON 1/4W 220	
R402	ERDS2TJ333T	CARBON 1/4W 33K	
R405	ERG2ANJ561H	METAL OXIDE 2W 560	
R409	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	
R410	ERDS2TJ472	CARBON 1/4W 4.7K	
R411	ERDS2TJ104	CARBON 1/4W 100K	
R413	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R414	ERX12SJR82P	PRECISION METAL FILM 1/2W 0.82	Δ
R422	ERD25FJ101P	CARBON 1/4W 100	\triangle
R427	ERQ14AJ5R6P	FUSE 1/4W 5.6	\triangle
R431	ERDS2TJ103	CARBON 1/4W 10K	
R432	ERJ6GEYJ393V	MGF CHIP 1/10W 39K	
R433	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R434	ERDS2TJ103	CARBON 1/4W 10K	
R435	ERDS2TJ102	CARBON 1/4W 1K	
R436	ERJ6GEYJ104V	MGF CHIP 1/10W 100K	
R466	ERJ6GEYJ683V	MGF CHIP 1/10W 68K	
R468	ERDS2TJ102	CARBON 1/4W 1K	
R471	ERDS1FJ152P	CARBON 1/2W 1.5K	Δ
R472	ERDS2TJ332	CARBON 1/4W 3.3K	
R501	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R502	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R503	EROS2THF9101	PRECISION METAL FILM 1/4W 9.1K	Δ
R504	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R505	ERDS2TJ561	CARBON 1/4W 560	
R509	ERDS2TJ101	CARBON 1/4W 100	
R511	ERG3FJ272H	METAL OXIDE 3W 2.7K	
R516	LAR05202J09	W FLMPRF 5W 2K	
R517	ERDS2TJ472	CARBON 1/4W 4.7K	
R518	ERDS1FJ1R0P	CARBON 1/2W 1	
R519	ERDS2TJ123	CARBON 1/4W 12K	
R520	ERDS2TJ562	CARBON 1/4W 5.6K	
R525	ERDS2TJ122	CARBON 1/4W 1.2K	
R529	ERDS2TJ103	CARBON 1/4W 10K	
R531	ERDS2TJ223	CARBON 1/4W 22K	
R533	ERDS2TJ152	CARBON 1/4W 1.5K	
R534	ERDS2TJ681	CARBON 1/4W 680	
R535	ERDS2TJ471	CARBON 1/4W 470	
R536	ERG2ANJ153H	METAL OXIDE 2W 15K	
R536	ERG2ANJP153H	METAL OXIDE 2W 15K	
R537	ERG2ANJ153H	METAL OXIDE 2W 15K	
R537	ERG2ANJP153H	METAL OXIDE 2W 15K	
R538	ERDS2TJ473	CARBON 1/4W 47K	
R539	ERDS2TJ473	CARBON 1/4W 47K	
R540	ERDS2TJ562	CARBON 1/4W 5.6K	
R541	ERDS2TJ222	CARBON 1/4W 2.2K	
R542	ERDS2TJ473	CARBON 1/4W 47K	
R543	ERDS2TJ102	CARBON 1/4W 1K	
R544	ERDS2TJ101	CARBON 1/4W 100	
R545	ERDS2TJ152	CARBON 1/4W 1.5K	
R546	ERDS2TJ223	CARBON 1/4W 22K	

Ref. No.	Part No.	Part Name & Description	Remarks
R552	ERDS2TJ472	CARBON 1/4W 4.7K	
R553	ERDS2TJ102	CARBON 1/4W 1K	
R554	ERDS2TJ103	CARBON 1/4W 10K	
R555	ERDS2TJ823	CARBON 1/4W 82K	
R556	ERDS2TJ473	CARBON 1/4W 47K	
R558	ERG2ANJ102H	METAL OXIDE 2W 1K	
R559	ERDS2TJ822	CARBON 1/4W 8.2K	
R561	ERQ2CKPR82S	FUSE 2W 0.82	Δ
R562	ERF5ZK2R2	W FLMPRF 5W 2.2 CARBON 1/4W 100	
R571 R572	ERDS2TJ101 ERJ6GEYJ331V	MGF CHIP 1/10W 330	-
R573	ERDS2TJ221	CARBON 1/4W 220	
R574	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	
R581	ERDS1FJ1R5P	CARBON 1/2W 1.5	Δ
R582	ERDS1FJ1R2P	CARBON 1/2W 1.2	Δ
R583	ERDS1FJ1R5P	CARBON 1/2W 1.5	Δ
R584	ERDS2TJ562	CARBON 1/4W 5.6K	
R585	ERDS2TJ473	CARBON 1/4W 47K	
R586	ERDS2TJ393	CARBON 1/4W 39K	
R593	ERF5ZJ121	W FLMPRF 5W 120	
R801	ERF5ZKR82	W FLMPRF 5W 0.82	Δ
R802	ERDS1FJ103P	CARBON 1/2W 10K	Δ
R803	ERF10ZK8R2S	W FLMPRF 10W 8.2	
R804	ERF20ZJ131	W FLMPRF 20W 130	
R805	ERDS2TJ104	CARBON 1/4W 100K	
R806	ERQ14AJ470P	FUSE 1/4W 47	Δ
R810	ERDS2TJ103	CARBON 1/4W 10K	-
R813	ERDS2TJ104	CARBON 1/4W 100K	-
R818	VRESC2TK825T	SOLID 1/2W 8.2M	<u> </u>
R865	ERDS2TJ222	CARBON 1/4W 2.2K	
R1003	D0AF334JA038	CARBON 1/2W 330K	
R1004	ERG2SJ333H	METAL OXIDE 2W 33K	
R1005 R1006	ERG1SJ560P ERJ6GEYJ222V	METAL OXIDE 1W 56 MGF CHIP 1/10W 2.2K	
R1007	ERDS2TJ101	CARBON 1/4W 100	
R1008	ERDS2TJ392	CARBON 1/4W 3.9K	
R1010	ERD25FJ100P	CARBON 1/4W 10	Δ
R1014	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R1015	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R1016	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R1017	D1BD2431A016	MGF CHIP 1/10W 2.43K	
R1018	D0HD222ZA002	MGF CHIP 1/10W 2.2K	
R1025	ERDS2TJ300T	CARBON 1/4W 30	
R1026	ERDS2TJ300T	CARBON 1/4W 30	
R1051	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R1052	ERDS2TJ153	CARBON 1/4W 15K	
R1053	ERDS2TJ153	CARBON 1/4W 15K	
R1057	ERDS2TJ331	CARBON 1/4W 330	
R1058	ERJ6GEYJ104V	MGF CHIP 1/10W 100K	
R3001	ERDS2TJ101	CARBON 1/4W 100	
R3006	ERDS2TJ101	CARBON 1/4W 100	
R3016	ERJ6GEYJ121V	MGF CHIP 1/10W 120	
R3017	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R3024	ERJ6GEYJ471V	MGF CHIP 1/10W 470	+
R3025	ERJ6GEYJ125V	MGF CHIP 1/10W 1.2M	-
R3026	ERJ6GEYJ474V	MGF CHIP 1/10W 470K	<u></u>
R3028 R3029	ERJ6GEYJ272V ERJ6GEYJ151V	MGF CHIP 1/10W 2.7K MGF CHIP 1/10W 150	
R3029	ERJ6GEYJ122V	MGF CHIP 1/10W 150	1
R3035	ERJ6GEYJ103V	MGF CHIP 1/10W 1.2K	
R3036	ERJ6GEYJ102V	MGF CHIP 1/10W 10K	+
R3037	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
	ERJ6GEYG562V	MGF CHIP 1/10W 5.6K	
R3038		MGF CHIP 1/10W 2.2K	
R3038 R3044	ERJ6GEYG222V		
R3038 R3044 R3045	ERJ6GEYG222V ERJ6GEYG102V	MGF CHIP 1/10W 1K	
R3038 R3044 R3045 R3047		MGF CHIP 1/10W 1K MGF CHIP 1/10W 100	
R3038 R3044 R3045 R3047 R3077	ERJ6GEYG102V		
R3038 R3044 R3045 R3047 R3077	ERJ6GEYG102V ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R3038 R3044 R3045 R3047 R3077 R3077 R3084 R3086	ERJ6GEYG102V ERJ6GEYJ101V ERJ6GEYJ102V	MGF CHIP 1/10W 100 MGF CHIP 1/10W 1K	
R3038 R3044 R3045 R3047 R3077 R3084 R3086	ERJ6GEYG102V ERJ6GEYJ101V ERJ6GEYJ102V ERJ6GEYJ221V	MGF CHIP 1/10W 100 MGF CHIP 1/10W 1K MGF CHIP 1/10W 220	
R3038 R3044 R3045 R3047 R3077 R3084 R3086 R3091	ERJ6GEYG102V ERJ6GEYJ101V ERJ6GEYJ102V ERJ6GEYJ221V ERJ6GEYJ750V	MGF CHIP 1/10W 100 MGF CHIP 1/10W 1K MGF CHIP 1/10W 220 MGF CHIP 1/10W 75	

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Ref.	Part No.	Part Name & Description	Remarks
R4001	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	-
		i .	
R4002	ERJ6GEYJ334V	MGF CHIP 1/10W 330K	
R4003	ERJ6GEYJ221V	MGF CHIP 1/10W 220	-
R4004	ERJ6GEYJ333V	MGF CHIP 1/10W 33K	
R4005	ERJ6GEYJ225V	MGF CHIP 1/10W 2.2M	
R4006	ERJ6GEYJ681V	MGF CHIP 1/10W 680	-
R4007	ERJ6GEYJ821V	MGF CHIP 1/10W 820	
R4008	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	
R4009	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4010	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	-
R4011	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	
R4012	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	
R4014	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R4015	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R4018	ERJ6GEYJ123V	MGF CHIP 1/10W 12K	
R4021	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R4101	ERJ6GEYJ563V	MGF CHIP 1/10W 56K	
R4102	ERJ6GEYJ154V	MGF CHIP 1/10W 150K	
R4103	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	
R4172	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4175	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4502	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R4504	ERJ6GEYJ823V	MGF CHIP 1/10W 82K	
R4509	ERDS2TJ100	CARBON 1/4W 10	
R4521	ERQ1ABJP4R7S	FUSE 1W 4.7	Δ
R4523	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R4591	ERDS2TJ681	CARBON 1/4W 680	
R4592	ERDS2TJ681	CARBON 1/4W 680	
R4593	ERDS2TJ681	CARBON 1/4W 680	
R4594	ERDS2TJ681	CARBON 1/4W 680	
R4701	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R5301	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R5304	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R5305	ERJ6GEYJ224V	MGF CHIP 1/10W 220K	
R5306	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R5307	ERJ6GEYOROOV	MGF CHIP 1/10W 0	
R5308	ERJ6GEYJ563V	MGF CHIP 1/10W 56K	
R5309	ERJ6GEYJ274V	MGF CHIP 1/10W 270K	
R5311	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R5312	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R5313	ERJ6GEYJ331V	MGF CHIP 1/10W 330	
R5314	ERDS2TJ272	CARBON 1/4W 2.7K	
R5315	ERDS2TJ272	CARBON 1/4W 2.7K	
		· · · · · · · · · · · · · · · · · · ·	
R5316	ERDS2TJ272	CARBON 1/4W 100	
R5317	ERDS2TJ101	CARBON 1/4W 100	
R5324	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5401	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R5402	ERJ6GEYJ394V	MGF CHIP 1/10W 390K	-
R5403	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R5405	ERJ6GEYJ822V	MGF CHIP 1/10W 8.2K	-
R5406	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5501	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R5502	ERJ6GEYJ394V	MGF CHIP 1/10W 390K	-
R5503	ERDS2TJ471	CARBON 1/4W 470	
R5504	ERJ6GEYJ101V	MGF CHIP 1/10W 100	L
R5505	ERJ6ENF3241V	MGF CHIP 1/10W 3.24K	Δ
R5506	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R5508	ERJ6GEYJ561V	MGF CHIP 1/10W 560	
R5510	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5511	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R5512	ERDS2TJ151	CARBON 1/4W 150	
R5513	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5601	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	
R5604	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R5611	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R5612	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R5614	ERJ6GEYJ563V	MGF CHIP 1/10W 56K	
R5902	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R5932	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R5933	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6001	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6002	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6003	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
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Ref. No.	Part No.	Part Name & Description	Remarks
R6004	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6005	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6007	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6008	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6014	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6015	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6016	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6017	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6018	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6019	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6021	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6022	ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R6023	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6024	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6025	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R6026	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6028	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6029	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6030	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6032	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R6035	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6040	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6041	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	1
R6042	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	1
R6044	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6045	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	1
R6046	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6049	ERJ6GEY0R00V	MGF CHIP 1/10W 0	
R6050	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6053	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6054	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6055	ERJ6GEYJ101V	MGF CHIP 1/10W 100	1
R6057	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
	ERJ6GEYJ102V		
R6058 R6059	ERJ6GEYJ222V	MGF CHIP 1/10W 1K	
		MGF CHIP 1/10W 2.2K	
R6060 R6061	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6062	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6063	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6064	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6066	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6067	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6077	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6078	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	1
R6080	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R6081	ERJ6GEYJ122V	MGF CHIP 1/10W 1.2K	
R6082	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	-
R6090	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R6091	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R6092	ERJ6GEYJ471V	MGF CHIP 1/10W 470	
R6098	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	-
R6113	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6114	ERJ6GEYJ272V	MGF CHIP 1/10W 2.7K	1
R6115_	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	ļ
R6116	ERDS2TJ101	CARBON 1/4W 100	ļ
R6118	ERJ6GEYJ104V	MGF CHIP 1/10W 100K	1
R6119	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6120	ERJ6GEYJ104V	MGF CHIP 1/10W 100K	
R6121	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6122	ERJ6GEYJ181V	MGF CHIP 1/10W 180	1
R6123	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6124	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6126	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6127	ERJ6GEYJ221V	MGF CHIP 1/10W 220	
R6130	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6131	ERJ6GEYJ183V	MGF CHIP 1/10W 18K	
R6132	ERJ6GEYJ391V	MGF CHIP 1/10W 390	
R6133	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6134	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
100201	1	MGF CHIP 1/10W 4.7M	
R6135	ERJ6GEYJ475V	MGF CHIF I/IUN 4./M	
	ERJ6GEYJ475V ERJ6GEYJ332V	MGF CHIP 1/10W 3.3K	
R6135			

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Ref.	Part No.	Part Name & Description	Remarks
R6142	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6143	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6144	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6145	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	
R6149	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	
R6150	ERJ6GEYJ273V	MGF CHIP 1/10W 27K	
R6160	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6161	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6162	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6163	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R6164	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6165	ERJ6GEYJ472V	MGF CHIP 1/10W 4.7K	
R6166	ERJ6GEYJ223V	MGF CHIP 1/10W 22K	
R6170	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R6201	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6202	ERJ6GEYJ473V	MGF CHIP 1/10W 47K	
R6203	ERJ6GEYJ274V	MGF CHIP 1/10W 270K	
R6204	ERJ6GEYJ184V	MGF CHIP 1/10W 180K	
R6205	ERJ6GEYJ103V	MGF CHIP 1/10W 10K	
R6207	ERJ6GEYJ101V	MGF CHIP 1/10W 100	
R6208	ERJ6GEYJ152V	MGF CHIP 1/10W 1.5K	
R6209	ERJ6GEYJ222V	MGF CHIP 1/10W 2.2K	
R6210	ERJ6GEYJ563V	MGF CHIP 1/10W 56K	
R6211	ERJ6GEYJ153V	MGF CHIP 1/10W 15K	
R6212	ERJ6GEYJ682V	MGF CHIP 1/10W 6.8K	
R6301	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6302	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R6303	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6304	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R6305	ERJ6GEYJ182V	MGF CHIP 1/10W 1.8K	
R6306	ERJ6GEYJ392V	MGF CHIP 1/10W 3.9K	
R6307	ERJ6GEYJ562V	MGF CHIP 1/10W 5.6K	
R7001	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7002	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7003	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7004	ERJ6GEYJ102V	MGF CHIP 1/10W 1K	
R7006	ERJ6GEYJ271V	MGF CHIP 1/10W 270	
R7007	ERDS2TJ102	CARBON 1/4W 1K	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C401	ECA1HM2R2B	ELECTROLYTIC 50V 2.2UF	-
C402	ECA1CM471B	ELECTROLYTIC 16V 470UF	
C408	ECA1HGE010KB	ELECTROLYTIC 50V 1UF	
C409	ECA1VM221B	ELECTROLYTIC 35V 220UF	
C413	ECQB1H104KF	POLYESTER 50V 0.1UF	
C414	ECA1EM102B	ELECTROLYTIC 25V 1000UF	
C418	ECA1VM221B	ELECTROLYTIC 35V 220UF	
C459	ECQB1H103KF3	POLYESTER 50V 0.01UF	
C510	ECKR2H681KB5	CERAMIC 500V 680PF	
C513	ECA1EM101B	ELECTROLYTIC 25V 100UF	
C524	ECKC3D221KBP	CERAMIC 2KV 220PF	Δ
C531	ECA1HM3R3B	ELECTROLYTIC 50V 3.3UF	
C533	ECA1EM101B	ELECTROLYTIC 25V 100UF	
C534	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C552	ECA1EM471B	ELECTROLYTIC 25V 470	
C553	ECKR2H471KB5	CERAMIC 500V 470PF	
C554	LSCFN12123JB	POLYESTER 1.2KV 0.012UF	Δ
C556	ECWF2474JBB	POLYESTER 250V 0.47UF	\triangle
C558	ECA1VM331B	ELECTROLYTIC 35V 330UF	
C560	ECA2EM100B	ELECTROLYTIC 250V 10UF	\triangle
C561	ECA1HM2R2B	ELECTROLYTIC 50V 2.2UF	
C563	ECEA180V33WE	ELECTROLYTIC 180V 33UF	
C571	ECA1HM3R3B	ELECTROLYTIC 50V 3.3UF	
C572	ECA1CM221B	ELECTROLYTIC 16V 220UF	
C573	ECKR2H122KB5	CERAMIC 50V 1200PF	
C581	ECWH12H222JS	POLYESTER 1250V 0.0022UF	
C801	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C802	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C803	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C804	VCKSRNG472ZX	CERAMIC 250V 4700PF	
C805	ECOS2DP681BB	ELECTROLYTIC 220V 680UF	Δ
C806	ECA2EM330E	ELECTROLYTIC 250V 33UF	

Ref.	Part No.	Part Name & Description	Remarks
C807	J0LE00000023	ARRESTER	Δ
C808	ECQU2A823MLA	POLYESTER 250V 0.082UF	Δ
C809	F1B2E101A009	CERAMIC 250V 100PF	Δ
C811	F1B2E152A012	CERAMIC 250V 1500PF	Δ
C1001	ECKATS103MF	CERAMIC 250V 0.01UF	A
C1001	ECKETS103MF	CERAMIC 125V 0.01UF	Δ
C1001	VCKST3G103MY	CERAMIC 250V 0.01UF	Δ
C1001	VCKSU3D103MY	CERAMIC 125V 0.01UF	Δ
C1002	ECKATS332ME8	CERAMIC 250V 3300PF	Δ
C1002	ECKDNB332ME8	CERAMIC 125V 3300PF	Δ
C1002	ECKETS332ME8	CERAMIC 125V 3300PF	\triangle
C1002	VCKST3G332MX	CERAMIC 250V 3300PF	Δ
C1002	VCKSU3D332MX	CERAMIC 125V 3300PF	Δ
C1003	F1B2E102A012	CERAMIC 250V 1000PF	Δ
C1003	F1B2E102A011	CERAMIC 250V 1000PF	Δ
C1003	F1B2E102A044	CERAMIC 250V 1000PF	Δ
C1003	F1B2E102A045	CERAMIC 250V 1000PF	Δ
C1003			Δ
	F1B2E1020005	CERAMIC 250V 1000PF	-
C1003	F1B2E1020006	CERAMIC 250V 1000PF	<u> </u>
C1004	ECEA2DU121YE	ELECTROLYTIC 200V 120UF	<u> </u>
C1004	F2A2D1210001	ELECTROLYTIC 200V 120UF	Δ.
C1004	F2A2D1210003	RLECTROLYTIC 200V 120UF	<u>A</u>
C1004	VCESR2D121XE	ELECTROLYTIC 200V 120UF	Δ
C1005	ECA2DHG4R7B	ELECTROLYTIC 200V 4.7UF	
C1006	ECKR2H221KB5	CERAMIC 500V 220PF	1
C1007	ECJ2VB1C224K	C CHIP 16V 0.22UF	
C1009	VCYSBRE183KX	CERAMIC 25V 0.018UF	
C1010	ECJ2VB1H102K	C CHIP 50V 1000PF	
C1011	ECA1HHG470B	ELECTROLYTIC 50V 47UF	
C1012	ECEA1PEE331	ELECTROLYTIC 18V 330UF	
C1013	ECA1EM331B	ELECTROLYTIC 25V 330UF	
C1016	ECEA1PEE331	ELECTROLYTIC 18V 330UF	
C1017	ECA0JM102B	ELECTROLYTIC 6.3V 1000UF	
C1018	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C1025	F1B2E101A009	CERAMIC 250V 100PF	Δ
C1025	F1B2E101A008	CERAMIC 250V 100PF	Δ
C1025	F1B2E101A032	CERAMIC 250V 100PF	Δ
C1025	F1B2E101A037	CERAMIC 250V 100PF	Δ
C1029	ECJ2VC1H101J	C CHIP 50V 100PF	
C1030	VCYSBRE183KX	CERAMIC 25V 0.018UF	
C1051	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	
C1052	ECEA1CKA100	ELECTROLYTIC 16V 10UF	1
C1058	ECEA0JEE101	ELECTROLYTIC 6.3V 100UF	
	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C1059	-		-
C1060	ECEA1CKA470	ELECTROLYTIC 16V 47UF	-
C3003	ECJ2VF1E104Z	C CHIP 25V 0.1UF	<u> </u>
C3004	ECJ2VF1H103Z	C CHIP 50V 0.01UF	-
C3006	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3007	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C3008	ECJ2VC1H181J	C CHIP 50V 180PF	
C3009	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	1
C3010	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3013	ECJ2VF1C224Z	C CHIP 16V 0.22UF	
C3015	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C3016	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C3019	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C3020	ECEA1CKA220	ELECTROLYTIC 16V 22UF	
C3021	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C3022	ECJ2VF1C224Z	C CHIP 16V 0.22UF	
C3023	ECJ2VC1H680J	C CHIP 50V 68PF	
C3024	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3025	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C3026	ECJ2VB1H822K	C CHIP 50V 8200PF	
C3027	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3030	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3030	ECJ2VF1E104Z	C CHIP 25V 0.1UF	1
C3032	ECJ2VF1C474Z	C CHIP 16V 0.47UF	
C3034	ECJ2VC1H181J	C CHIP 50V 180PF	
C3035	ECJ2VC1H330J	C CHIP 50V 33PF	
C3036	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C3038			
C3038 C3041 C3043	ECJ2VF1H103Z	C CHIP 50V 0.01UF	

Ref.	Part No.	Part Name & Description	Remarks
No.	PG T077P1 W1 0 2 F	G GYTD FAY A ALTY	
C3044	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3045	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	
C3046	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C3047	ECEAOJKA101	ELECTROLYTIC 6.3V 100UF	
	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3050	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C3053	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3055	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3056	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3057	ECJ2VF1E104Z		
C3058	ECJ2VF1H103Z ECJ2VB1H332K	C CHIP 50V 0.01UF	
C3231	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C3232	ECJ2VB1H102K ECEA0JKA470	C CHIP 50V 1000PF ELECTROLYTIC 6.3V 47UF	
C3235	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3236	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3237	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C4001	ECJ2VF1C224Z	C CHIP 16V 0.22UF	
C4002	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4003	ECJ2VB1H272K	C CHIP 50V 2700PF	·
C4004	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4005	ECEAOJKA220	ELECTROLYTIC 6.3V 22UF	
C4006	ECJ2VB1H102K	C CHIP 50V 1000PF	
C4007	ECEA0JKA220	ELECTROLYTIC 6.3V 22UF	
C4008	ECEAOJKA470	ELECTROLYTIC 6.3V 47UF	
C4009	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4010	ECJ2VB1E333K	C CHIP 25V 0.033UF	
C4011	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4012	ECRA1HKA010	ELECTROLYTIC 50V 1UF	
C4013	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C4014	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4018	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4020	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4102	ECQB1562JF3	POLYESTER 100V 5600PF	
C4103	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4104	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C4105	ECEA1CKA220	ELECTROLYTIC 16V 22UF	
C4171	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C4502	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C4504	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C4506	ECRA1CKA470	ELECTROLYTIC 16V 47UF	
C4508	ECA1CM221B	ELECTROLYTIC 16V 220UF	
C4509	ECJ2VB1E473K	C CHIP 25V 0.047UF	
C4521	ECA1EM102B	ELECTROLYTIC 25V 1000UF	
C4524	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5301	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5302	ECEA1EKA4R7	ELECTROLYTIC 25V 4.7UF	
C5303	ECEA1HKAR47	ELECTROLYTIC 50V 0.47UF	
C5305	ECEA1HKAR33	ELECTROLYTIC 50V 0.33UF	
C5306	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5307	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5308	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5401	VCUSTBC224KB	C CHIP 16V 0.22UF	-
C5402	ECJ2VB1H222K	C CHIP 50V 2200PF	-
C5403	ECEA1HKA2R2	ELECTROLYTIC 50V 2.2UF	
C5501	ECJ2VB1E183K	C CHIP 25V 0.018UF	
C5502 C5505	ECJ2VB1H681K ECEA1CKA470	C CHIP 50V 680PF ELECTROLYTIC 16V 47UF	
C5506	ECHAICKA470 ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5507	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C5508	ECUV1H221JSN	C CHIP 50V 220PF	
C5510	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C5511	ECJ2VB1E333K	C CHIP 25V 0.033UF	
C5516	ECJ2VB1E333K	C CHIP 25V 0.033UF	
C5601	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5602	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C5603	ECJ2VC1H150J	C CHIP 50V 15PF	
C5604	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C5605	ECJ2VB1E153K	C CHIP 25V 0.015UF	
C5902	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C5903	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C5904	ECJ2VB1C104K	C CHIP 16V 0.1UF	
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Ref. No.	Part No.	Part Name & Description	Remarks
C5905	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C5906	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C5907	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C5932	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C6001	ECEA0JKA331	ELECTROLYTIC 6.3V 330UF	
C6002	ECJ2VC1H080C	C CHIP 50V 8PF	
C6003	ECJ2VC1H100C	C CHIP 50V 10PF	
C6004	ECJ2VB1E104K	C CHIP 25V 0.1UF	
C6006	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6009	ECEA1CKA100	ELECTROLYTIC 16V 10UF	
C6013	ECJ2VC1H101J	C CHIP 50V 100PF	
C6017	ECJ2VC1H101J	C CHIP 50V 100PF	
C6018	ECJ2VC1H101J	C CHIP 50V 100PF	
C6020	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6021	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6021	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C6025	ECEA0JKA470	ELECTROLYTIC 6.3V 47UF	
C6029			+
	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6040	ECJ2VB1H102K	C CHIP 50V 1000PF	
C6041	ECJ2VB1H102K	C CHIP 50V 1000PF	
C6044	ECJ2VF1E104Z	C CHIP 25V 0.1UF	+
C6201	ECJ2VB1H102K	C CHIP 50V 1000PF	
C6202	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C6203	ECJ2VB1H332K	C CHIP 50V 3300PF	-
C6204	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C6207	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6208	ECEA1CKS100	ELECTROLYTIC 16V 10UF	-
C6209	ECJ2VB1H102K	C CHIP 50V 1000PF	
C6212	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6213	ECEA0JKS331I	ELECTROLYTIC 6.3V 330UF	
C6214	ECEA0JKS220	ELECTROLYTIC 6.3V 22UF	
C6215	ECJ2VB1H272K	C CHIP 50V 2700PF	
C6216	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C6220	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C6221	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6302	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6401	ECJ2VF1H104Z	C CHIP 50V 0.1UF	
C6402	ECEA0JKA101	ELECTROLYTIC 6.3V 100UF	
C6403	ECEA1HKA010	ELECTROLYTIC 50V 1UF	
C6404	ECJ2VC1H121J	C CHIP 50V 120PF	
C6406	ECEA1HKS010	ELECTROLYTIC 50V 1UF	
C6408	ECJ2VB1H222K	C CHIP 50V 2200PF	
C6410	ECJ2VB1H103K	C CHIP 50V 0.01UF	
C7002	ECJ2VB1H102K	C CHIP 50V 1000PF	
C7006	ECA0JM102B	ELECTROLYTIC 6.3V 1000UF	
C7007	ECJ2VB1H102K	C CHIP 50V 1000PF	
C7008	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C7010	ECEA1HKA010	ELECTROLYTIC 50V 1UF	

COIL	C

Ref.	Part No.	Part Name & Description	Remarks
L501	ELH5L6128	COIL	Δ
L553	VLQSW07D220M	COIL 22UH	
L802	VLQSAE8D220M	COIL 22UH	
L803	ELF21V018A	LINE NOISE FILTER	Δ
L803	LLN63055A	COIL	Δ
L1001	ELF15N005A	LINE FILTER 0.5A 18MH	Δ
L1001	ELF18D290A	LINE FILTER 0.5A 18MH	Δ
L1001	G0B183D00001	LINE FILTER 0.5A 18MH	⚠
L1001	J0HBLD000001	LINE FILTER 0.5A 18MH	Δ
L1001	J0HBLD000002	LINE FILTER 0.5A 18MH	Λ
L1001	VLQS0167	LINE FILTER 0.5A 18MH	Δ
L1001	VLQS0170	LINE FILTER 0.6A 18MH	Δ
L1002	VLQSAB7D220K	COIL 22UH	
L1003	VLQSAB7D100K	COIL 10UH	
L1006	J0JHB0000021	FILTER	
L1007	G0C101KA0045	COIL 100UH	
L3001	G0C390KA0045	COIL 39UH	
L3002	ELESN101KA	COIL 100UH	
L3005	G0C330KA0045	COIL 33UH	
L3010	ELESN470KA	COIL 47UH	
L3231	ELESN221KA	COIL 220UH	
L3301	ELESN101KA	COIL 100UH	

Ref. No.	Part No.	Part Name & Description	Remarks
L4001	ELELN153KA	COIL 15MH	
L4002	ELESN101KA	COIL 100UH	
L4004	G0C220KA0045	COIL 22UH	
L4101	ELESN471KA	COIL 470UH	
L5901	ELESN101KA	COIL 100UH	
L5902	ELESN470KA	COIL 47UH	
L6201	ELEXT101KE04	COIL 100UH	
L6401	ELEXT101KE04	COIL 100UH	
L6402	J0JBC0000022	CHIP BEAD INDUCTOR	
L6403	J0JBC0000022	CHIP BEAD INDUCTOR	
L6404	J0JBC0000022	CHIP BEAD INDUCTOR	
L6405	J0JBC0000022	CHIP BEAD INDUCTOR	
L7002	ELESN100KA	COIL 10UH	

CRYSTAL OSCILLATOR

Ref.	Part No.	Part Name & Description	Remarks
X5501	H2A503300012	CRYSTAL OSCILLATOR	
X5601	VSXS0190-TB	CRYSTAL OSCILLATOR	
X6001	VSXS0784	CRYSTAL OSCILLATOR	

PIN HEADERS

Ref. No.	Part No.	Part Name & Description	Remarks
P552	LSJWS4N360LL	PIN HEADER	
P801	VEKS5809	CONNECTOR CABLE W/OUT PLUG, 200V	
P803	LSJP0814	CONNECTOR 2P	
P3001	K1KA08A00305	CONNECTOR 8P	
P4001	VJSS0888	FE CONNECTOR 2P	
P4002	LSJWR6N120CL	PARALLEL WIRE	
P4591	K1KA02A00229	CONNECTOR 2P	
P5301	LSJWR4N490LL	CONNECTOR CABLE W/OUT PLUG,12V DC	
P6001	K1KA05A00268	CONNECTOR 5P	
P6201	K1KA12A00234	PIN HEADER	

SWITCHES

Ref. No.	Part No.	Part Name & Description	Remarks
SW6001	LSSH0002	LEAF SWITCH-SAFETY TAB	
SW6002	K0N107C00002	PUSH SWITCH	
SW6301	EVQ21405R	PUSH SWITCH	
SW6302	EVQ21405R	PUSH SWITCH	
SW6303	EVQ21405R	PUSH SWITCH	
SW6304	EVQ21405R	PUSH SWITCH	
SW6305	EVQ21405R	PUSH SWITCH	
SW6306	EVQ21405R	PUSH SWITCH	
SW6307	EVQ21405R	PUSH SWITCH	
SW6308	EVQ21405R	PUSH SWITCH	
SW6309	EVQ21405R	PUSH SWITCH	
SW6310	EVQ21405R	PUSH SWITCH	
SW6311	EVQ21405R	PUSH SWITCH	

FUSE & PROTECTOR

Ref. No.	Part No.	Part Name & Description	Remarks
F801	K5D402AB0002	FUSE 125V 4A	Δ
F801	K5D402ADA002	FUSE 125V 4A	Δ
F801	K5D402ADA006	FUSE 125V 4A	Δ
F801	K5D402AQ0002F USE & PROTECTOR	FUSE 125V 4A	Δ
F1001	K5D162AQ0004	FUSE 125V 1.6A	Δ
F1001	K5D162ADA001	FUSE 125V 1.6A	Δ
F1001	K5D162ADA008	FUSE 125V 1.6A	Δ
PR1001	UNH000600A	IC PROTECTOR 1.5A	Δ
PR1001	B1ZAZ0000040	IC PROTECTOR 1.5A	A
PR1001	LSSF009A25E	IC PROTECTOR 1.5A	Δ
PR1002	UNH000600A	IC PROTECTOR 1.5A	Δ
PR1002	B1ZAZ0000040	IC PROTECTOR 1.5A	Δ
PR1002	LSSF009A25E	IC PROTECTOR 1.5A	Δ

RELAY				
Ref.	Part No.	Part Name & Description	Remarks	
RL801	LSSY0004	RELAY	Δ	
RL801	K6B1AGA00042	RELAY, 120V	Δ	
RL801	TSEH0013	RELAY	Δ	
RL801	TSEH1860-1	RELAY	Δ	

TRANSFORMER

Ref. No.	Part No.	Part Name & Description	Remarks
T501	ETH19Y70AY	TRANSFORMER	
T551	KFT4AB407F	FLYBACK TRANSFORMER	⚠
T1001	ETS28AD2J3AC	SW TRANSFORMER	Δ
T1001	LSTP0105	TRANSFORMER	Δ
T1001	VTPS0042	SW TRANSFORMER	Δ
T4101	G2A342C00003	TRANSFORMER	

JACKS

Ref. No.	Part No.	Part Name & Description	Remarks
JK4591	K2HC103B0130	FRONT AUDIO/VIDEO JACK SOCKET	
JK4701	K2HA104B0007	EARPHONE JACK SOCKET	

MISCELLANEOUS

Ref. No.	Part No.	Part Name & Description	Remarks
483	XYN3+F10S	SCREW W/WASHER, STEEL	
484	XTW3+10J	TAPPING SCREW, STEEL	
487	XYN3+J8	SCREW W/WASHER, STEEL	
711	PNA4611M00HC	INFRARED RECEIVER UNIT	
719	VMFS0136	SHEET, NYLON-RAYON	
728	LUS63008A	HEAT SINK	
743	ENG36709GL	TUNER, UHF/VHF NR	
746	LUS63001A	HEAT SINK	
751	LML69001A	ANODE LEAD CLAMPER	
760	TUC77628	HEAT SINK	
771	EYF52BC	FUSE HOLDER	

14.3.2. HEAD AMP C.B.A.

INTEGRATED CIRCUITS

Ref.	Part No.	Part Name & Description	Remarks
IC3501	AN3371SB	IC, LINEAR	

RESISTORS

Ref.	Part No.	Part Name & Description	Remarks
R3507	ERJ6GEYJ331V	MGF CHIP 1/10W 330	

CAPACITORS

Ref. No.	Part No.	Part Name & Description	Remarks
C3504	ECJ2VF1H103Z	C CHIP 50V 0.01UF	
C3505	ECEA1CKA470	ELECTROLYTIC 16V 47UF	
C3506	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3508	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3511	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3512	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3513	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3528	ECJ2VF1E104Z	C CHIP 25V 0.1UF	
C3529	ECJ2VF1H103Z	C CHIP 50V 0.01UF	

COILS

Ref. No.	Part No.	Part Name & Description	Remarks
L3501	G0C101KA0045	COIL 100UH	

PIN HEADERS

FIN HEADERS					
Ref. No.	Part No.	Part Name & Description Ren	narks		
P3501	K1KB08B00050	CONNECTOR 8P			

14.3.3. CRT C.B.A.

TRANSISTORS

Ref.	Part No.	Part Name & Description	Remarks
Q351	2SC3063	TRANSISTOR SI NPN	
Q351	2SC3271F-N	TRANSISTOR SI NPN	
Q351	2SC3619	TRANSISTOR SI NPN	
Q352	2SC3063	TRANSISTOR SI NPN	
Q352	2SC3271F-N	TRANSISTOR SI NPN	
Q352	2SC3619	TRANSISTOR SI NPN	
Q353	2SC3063	TRANSISTOR SI NPN	
Q353	2SC3271F-N	TRANSISTOR SI NPN	
Q353	2SC3619	TRANSISTOR SI NPN	

DIODES

Ref.	Part No.	Part Name & Description	Remarks
D351	MAZ41500MF	DIODE ZENER 15V	
D351	B0BA01400041	DIODE ZENER 15V	

RESISTORS

Ref. No.	Part No.	Part Name & Description	Remarks
R351	ERG2ANJ153H	METAL OXIDE 2W 15K	
R352	ERG2ANJ153H	METAL OXIDE 2W 15K	
R353	ERG2ANJ153H	METAL OXIDE 2W 15K	
R354	ERD25TJ272	CARBON 1/4W 2.7K	
R355	ERD25TJ272	CARBON 1/4W 2.7K	
R356	ERD25TJ272	CARBON 1/4W 2.7K	
R357	ERDS2TJ332	CARBON 1/4W 3.3K	
R358	ERDS2TJ332	CARBON 1/4W 3.3K	
R359	ERDS2TJ332	CARBON 1/4W 3.3K	
R360	ERDS2TJ331	CARBON 1/4W 330	
R361	ERDS2TJ331	CARBON 1/4W 330	
R362	ERDS2TJ331	CARBON 1/4W 330	
R363	ERDS2TJ101	CARBON 1/4W 100	
R364	ERDS2TJ101	CARBON 1/4W 100	
R365	ERDS2TJ101	CARBON 1/4W 100	

CAPACITORS

Ref.	Part No.	Part Name & Description	Remarks
C351	F1D1H561A012	CERAMIC 50V 560PF	
C352	F1D1H561A012	CERAMIC 50V 560PF	
C353	F1D1H681A012	CERAMIC 50V 680PF	
C354	F1B3D1020008	CERAMIC 2KV 1000PF	

PIN HEADERS

Ref.	Part No.	Part Name & Description	Remarks
P353	K3B09CA00005	CRT SOCKET	

MISCELLANEOUS

Ref.	Part No.	Part Name & Description	Remarks
153	TMM7443-1	CLAMPER	